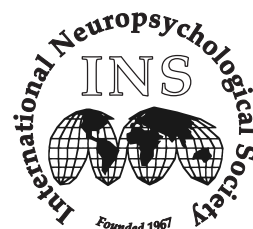




International Neuropsychological Society 2014 MID-YEAR MEETING

July 9-11, 2014

Inbal Hotel Jerusalem



Jerusalem
ISRAEL



Neuropsychology: From Lab to Rehab

Program Highlights

Program Chair

Eli Vakil, PhD

Bar Ilan University, Israel

Program Co-Chair

Dan Hoofien, PhD

The Hebrew University of
Jerusalem, Israel

Invited Speakers

INS President, Erin D. Bigler, PhD

Brigham Young University, USA

Robert T. Knight, MD

University of California, Berkeley, USA

Rafi Malach, PhD

Weizmann Institute of Science, Israel

Gina Geffen, PhD, DSc

University of Queensland, Australia

Eveline Crone, PhD

Leiden University, Netherlands

Avishai Henik, PhD

Ben-Gurion University of the Negev, Israel

Gordon J. Chelune, PhD

University of Utah, USA

Faraneh Vargha-Khadem, PhD

University College London, UK

International Neuropsychological Society

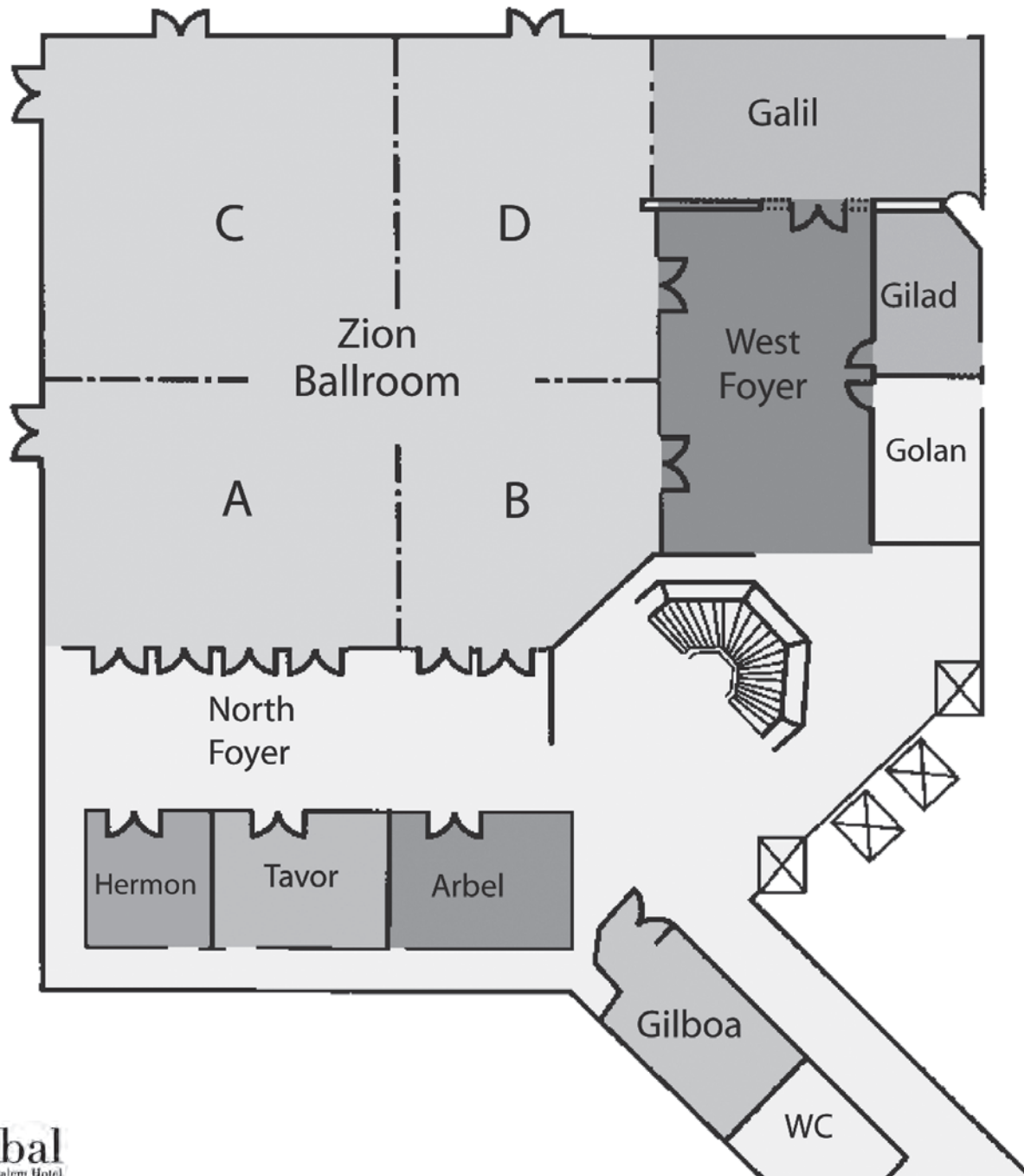
2319 South Foothill Drive #260, Salt Lake City Utah 84109, US
801-487-0475 • INS@utah.edu • www.the-ins.org

www.ins-jerusalem2014.com

International Neuropsychological Society
2014 Mid-Year Meeting

July 9-11, 2014

Jerusalem, Israel



The Inbal Jerusalem Hotel

Liberty Bell Park
3 Jabotinsky Street
Jerusalem 92145

US Toll free 1-877-443-7443

Phone (972) (2) 675 6666

Fax (972) (2) 675 6777

International Neuropsychological Society

2014 Mid-Year Meeting At-a-Glance

Wednesday July 9, 2014

8:15-9:45	Pre-Meeting CE Workshop A: Evidence-Based Practice and the Use of Reliable Change Methods <i>Presenter: Gordon J. Chelune • Zion Hall A</i>		Pre-Meeting CE Workshop B: Hypoxia-Ischaemia, Hippocampal Damage and Memory Impairment: A Causal Hypothesis? <i>Presenter: Faraneh Vargha-Khadem • Zion Hall B</i>	
9:45-10:00	15-Minute Break			
10:00-11:30	Symposium 1: Developmental Differences in Skill Learning: From Basic Science to the Clinic <i>Chair: Esther Adi-Japha • Zion Hall C</i>	Paper Session 1: Assessment <i>Moderator: Miriam Levav Zion Hall A</i>	Paper Session 2: Attention <i>Moderator: Nachum Soroker Zion Hall B</i>	Poster Session 1: Aging, Behavioral Neurology, Cancer, Dementia, & Stroke/Aneurysm <i>Zion Hall D and West & North Foyers</i>
11:30-12:00	Coffee Break			
12:00-13:00	Keynote: Neurocognitive Mechanisms of Number Processing and Developmental Dyscalculia <i>Presenter: Avishai Henik (Introduction: Ora Kofman) • Zion Ballroom</i>			
13:00-14:00	Lunch Break			
14:00-15:30	Symposium 2: The Processing of Threat from a Cognitive and Social Perspective <i>Chair: Delphine Grynberg • Zion Hall C</i>	Paper Session 3: TBI (A) <i>Moderator: Dan Hoofien Zion Hall A</i>	Paper Session 4: Dementia & Aging <i>Moderator: Richard F. Kaplan Zion Hall B</i>	Poster Session 2: Attention, Autism, Emotion, Epilepsy, Genetics, Laterality, Infectious Disease, Imaging, Learning Disabilities, & Visuospatial Functions <i>Zion Hall D and West & North Foyers</i>
15:30-17:00	Symposium 3: Latest Developments in the Assessment and Management of People With Disorders of Consciousness <i>Chair: Barbara Ann Wilson • Zion Hall C</i>	Paper Session 5: Language <i>Moderator: Guy Vingerhoets Zion Hall A</i>	Paper Session 6: Development & Genetics <i>Moderator: Sarah Raz Zion Hall B</i>	
17:00-17:30	Coffee Break			
17:30-18:30	Presidential Address: Neuropsychology, Networks and Connectivity <i>INS President: Erin D. Bigler (Introduction: Eli Vakil) • Zion Ballroom</i>			
18:30	Welcome Reception <i>Zion West & North Foyers</i>			
19:00-20:30	INS-SLC Student Networking Social, Presented by the INS Student Liaison Committee <i>Hosts: Irene Meier, Moran Gofer Levi • Laromme Balcony (Overlooking the Hotel Pool)</i>			

Thursday July 10, 2014

9:00-10:00	Keynote: Free Neuronal Associations in the Human Brain <i>Presenter: Rafi Malach (Introduction: Erin D. Bigler) • Zion Ballroom</i>		Neuropsychology Research Training Around the World: Student Professional Development Panel, Presented by the INS Student Liaison Committee <i>Panelists: Gina Geffen, Michela Balconi, Juan C. Arango Lasprilla, Jennifer J. Manly • Galil Room</i>	
10:00-10:30	Coffee Break			
10:30-12:00	Symposium 4: Have Video Demonstrations of Classic Neurobehavioral Syndromes Advanced Our Understanding of the Neural Substrates of Complex Behavior? <i>Chair: Kathleen Haaland • Zion Hall C</i>	Paper Session 7: TBI (B) <i>Moderator: Philippe Azouvi Zion Hall A</i>	Paper Session 8: Language <i>Moderator: David Anaki Zion Hall B</i>	Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/Frontal Lobes, Memory Functions, & TBI <i>Zion Hall D and West & North Foyers</i>
12:00-12:15	15-Minute Break			
12:15-13:15	Keynote: Confessions of a Serial Mentor and Mentee: Reflections on Collegiality in Research, Teaching and Clinical Practice <i>Presenter: Gina Geffen, The Paul Satz-INS Award Winner (Introduction: Jennie Ponsford) • Zion Ballroom</i>			
13:15-14:15	Lunch Break			
14:15-15:15	The Herbert Birch Memorial Lecture: Adolescent Brain Development <i>Presenter: Eveline Crone (Introduction: Jason Brandt) • Zion Ballroom</i>		Publishing and Reviewing in Neuropsychology (14:30-16:00): Student Workshop, Presented by the INS Student Liaison Committee <i>Presenter: Guy Vingerhoets • Galil Room</i>	
15:15-15:45	Coffee Break			
15:45-17:15	Symposium 5: New Views on Hippocampal Function: Memory and Beyond <i>Chair: Asaf Gilboa, Discussant: Mieke Verfaellie • Zion Hall C</i>	Paper Session 9: Interventions <i>Moderator: Rony Geva Zion Hall A</i>	Paper Session 10: Cognitive Neuroscience (A) <i>Moderator: Simone Shamay-Tsoory Zion Hall B</i>	Poster Session 4: Cognitive Neuroscience, Language and Speech Functions, & Medical/Neurological Disorders/Other <i>Zion Hall D and West & North Foyers</i>
17:15-17:30	15-Minute Break			
17:30-18:30	INS Awards Ceremony & Business Meeting <i>Awards Ceremony Chair: Robert K. Heaton, Business Meeting Chair: Erin D. Bigler • Zion Ballroom</i>			
19:00	Optional Meeting Dinner <i>Bistro, Inbal Hotel (Lobby Level)</i>			

Friday July 11, 2014

9:00-10:00	Keynote: Insights into Cognition from Intracranial Recordings <i>Presenter: Robert T. Knight (Introduction: Leon Y. Deouell) • Zion Ballroom</i>			
10:00-10:30	Coffee Break			
10:30-12:00	Symposium 6: Life-Span Development of Episodic Memory: Neural Correlates and Modifiers <i>Chair: Naftali Raz, Discussant: Ulman Lindenberger • Zion Hall C</i>	Paper Session 11: Executive Functions <i>Moderator: Yehuda Pollak Zion Hall A</i>	Paper Session 12: Cognitive Neuroscience (B) <i>Moderator: Roy Kessels Zion Hall B</i>	Poster Session 5: Assessment/Psychometrics/Methods, Cross Cultural, Drug/Toxin-Related Disorders, Electrophysiology, Forensic Neuropsychology, Demyelinating Disorders, & Psychopathology/Neuropsychiatry <i>Zion Hall D and West & North Foyers</i>
12:00-13:30	Symposium 7: Creating Accessible Measures for Children with Motor and Communication Impairments <i>Chair: Tamar Silberg, Discussant: Martha Denckla • Zion Hall C</i>	Paper Session 13: Memory <i>Moderator: Daniel A. Levy Zion Hall A</i>	Paper Session 14: Cognitive & Behavioral Neurology <i>Moderator: Foti Constantinidou Zion Hall B</i>	



Photograph courtesy of www.goisrael.com (Noam Chen)

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Welcome to Jerusalem!

Dear Colleagues,

It is our great pleasure to welcome you to the 2014 Mid-Year Meeting of the International Neuropsychological Society in Jerusalem, Israel.

The main theme of the meeting is "Neuropsychology: From Lab to Rehab". The conference aims to reflect the broad range of scientific work in neuropsychology, from experimental research to clinical studies, including assessment and rehabilitation. Therefore, we have encouraged not only neuropsychologists but also colleagues from related disciplines — including clinical psychologists, cognitive or computational neuroscientists, physical, occupational and speech therapists, neurologists, psychiatrists and physiatrists — to contribute to our meeting.

We have assembled a fine group of Keynote Speakers for the Meeting, including **Erin D. Bigler, Ph.D.**, INS President, speaking on neuropsychology, networks and connectivity; **Eveline Crone, Ph.D.**, on the adolescent brain; **Gina Geffen, Ph.D.**, on teaching and clinical practice; **Avishai Henik, Ph.D.**, on neurocognitive mechanisms of number processing and developmental dyscalculia; **Robert T. Knight, M.D.**, on insights into human cognition from intracranial recordings; and **Rafi Malach, Ph.D.**, on free neuronal associations in the human brain.

Pre-meeting parallel workshops will be given by **Gordon J. Chelune, Ph.D.**, on evidence-based practice and the use of reliable change methods, and **Faraneh Vargha-Khadem, Ph.D.**, on the relationship of hypoxia-ischaemia, hippocampal damage, and memory impairment.

Our conference takes place at the Inbal Hotel Jerusalem, located within walking distance of many magnificent sites of religious and historical significance in both old and new Jerusalem. We hope that the opportunity to explore cutting edge neuropsychological research and to discover one of the cradles of western civilization will make INS Mid-Year 2014 an unforgettable experience for all participants.

A similarly excellent program will be in store come February 2015 at the INS Annual Meeting in Denver, Colorado. See you there!



Erin D. Bigler
Erin D. Bigler
INS President



Eli Vakil
Eli Vakil
Program Chair

Program Committee

Program Chair:

Eli Vakil

Program Co-Chair:

Dan Hoofien

Local Organizing and Scientific Committee:

Leon Y. Deouell
Ora Kofman
Miriam Levav
Daniel A. Levy
Simone Shamay-Tsoory
Nachum Soroker

Extended Scientific Committee:

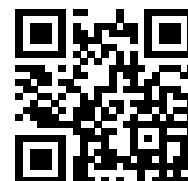
Judith Aharon-Peretz
David Anaki
James B. Brewer
Fofi Constantinidou
John DeLuca
Peter J. Donovick
Ronny Geva
Asaf Gilboa
Richard F. Kaplan
Yehuda Pollak
Sarah A. Raskin
Yuri Rassovsky
Naftali Raz
Sarah Raz
Maureen Schmitter-Edgecombe
Rachel Tomer

General Meeting Information

Abstracts Listing & Complete Scientific Program

Following the meeting, the complete program and abstracts listing will be published in an online supplemental issue of the *Journal of the International Neuropsychological Society (JINS)*, Volume 20.

To view the pre-publication abstracts, visit <http://goo.gl/KMR0pN> or scan the QR code:



Pre-Publication Abstracts

Badge & Meeting Materials

Your name badge is included in the material that you received upon registration. Please wear your badge at all meeting sessions and events.

Certificates of Attendance

If you require a certificate documenting your attendance, please inquire at the Registration Desk.

General Information

All meeting activities will be held at the Inbal Hotel Jerusalem in Liberty Bell Park. Please refer to the Final Program beginning on page 22 for session room locations and poster board assignments.

Your registration fee includes the get-together reception and coffee and refreshments at scheduled breaks. Salads and sandwiches will be available to purchase in the foyer of the Zion Ballroom during scheduled lunch breaks. There is also a choice of cafés and restaurants in the vicinity of the Inbal Hotel.

INS Future Meetings

43rd Annual Meeting	4-7 February 2015	Denver, Colorado, USA
5th INS/ASSBI Pacific Rim Conference	1-4 July 2015	Sydney, Australia
44th Annual Meeting	3-6 February 2016	Boston, Massachusetts, USA
2016 Mid-Year Meeting	5-8 July 2016	London, England, UK

INS Membership — *New Members Welcome!*

The International Neuropsychological Society welcomes new members! Prospective members may learn more about the Society and complete an online membership application at **www.the-ins.org**.

Internet Access

There is complimentary Wi-Fi in all public areas of the Inbal Hotel as well as in the guest rooms.

Official Language

The Meeting will be conducted in English.

Organizers

For questions regarding registration and accommodation, kindly visit the Meeting Secretariat at the onsite registration desk in the Zion Foyer.

Meeting Secretariat: Target Conferences
PO Box 51227, Tel Aviv 6713818, Israel
Tel: +972 3 5175150, Fax: +972 3 5175155

The International Neuropsychological Society (INS)
2319 S Foothill Dr #260, Salt Lake City Utah 84109, USA
Tel: +1 801-487-0475 • INS@utah.edu

General Meeting Information

Registration Desk

Located in the foyer of the Zion Ballroom (Level - 2).

Hours:	Wed July 9	7:30 AM–6:30 PM
	Thu July 10	8:00 AM–6:00 PM
	Fri July 11	8:00 AM–1:30 PM

Speaker Ready Room

Located next to the Zion Ballroom (Level - 2).

Hours:	Wed July 9	7:45 AM–6:30 PM
	Thu July 10	8:30 AM–6:15 PM
	Fri July 11	8:30 AM–1:30 PM

Please Note:

All speakers must visit the Speaker Ready Room at least one hour before the start of their assigned session to upload their presentation. Please refer to the instructions below.

Speaker & Presenter Instructions

Paper Presenters:

Projection is available in all halls at the Inbal Hotel. Participants who will be giving an oral presentation should bring their PowerPoint presentation on a CD or USB memory device.

Please meet with a technician in the Speaker Ready Room at least one hour before the start of your assigned session to load your presentation onto the networked meeting computer. You may supply your own laptop computer as backup.

Poster Presenters:

Poster sessions will occur in Zion Hall D and in the adjacent West and North Foyers on Level 2. Presenters are requested to stand next to their posters during the scheduled poster viewing times.

Please refer to the Final Program beginning on page 22 to find your poster session and the board number that has been assigned to you. Please use the poster board with your designated number. Posters will be adhered to boards with double-sided tape, which will be provided upon entry to the poster hall.

Presenters in AM poster sessions may begin mounting their posters at 8:30 AM on the morning of their assigned session. Please ensure that posters are removed by 12:00 PM on the same day.

Presenters in PM poster sessions may begin mounting their posters during the scheduled lunch break. Please remove your poster at the end of your assigned poster session.

Symposia Presenters:

Projection is available in all halls at the Inbal Hotel. Please bring your PowerPoint presentation on a CD or USB memory device.

Please meet with a technician in the Speaker Ready Room at least one hour before the start of your assigned session to load your presentation onto the networked meeting computer. You may supply your own laptop computer as backup.

Each symposium is allotted one and a half hours. In symposia consisting of five speakers, each speaker will have 15 minutes to deliver their presentation and three additional minutes for questions. Symposia chairs will communicate any additional instructions directly to the presenters in their sessions.

Social Program

Welcome Reception

Wednesday July 9 • 6:30 PM (18:30)

Zion Hall West & North Foyers

A welcome reception to renew acquaintances and meet new colleagues will take place in the West and North Foyers of Zion Ballroom at the Inbal Hotel. All registered participants and registered accompanying persons are welcome to attend.

Optional Meeting Dinner

Thursday July 10 • 7:00 PM (19:00)

Bistro, Inbal Hotel (Lobby Level)

The formal meeting dinner will take place in the Bistro at the Inbal Hotel, located on the Lobby level. There is a separate fee of \$90 USD to attend the event. To purchase tickets, please visit the INS registration desk in the Zion Foyer.

Student Events at the Mid-Year Meeting

Presented by the INS Student Liaison Committee (SLC)

INS–SLC Student Networking Social

Wednesday July 9 • 7:00–8:30 PM (19:00–20:30)

Laromme Balcony, Overlooking the Hotel Pool

SLC Hosts: Irene Meier, Moran Gofer-Levi

Come network with other neuropsychology students and trainees at all levels at the INS–SLC Student Networking Social. Light refreshments will be served! In addition, students will be able to meet and greet members of the INS Student Liaison Committee (SLC) and the INS Board of Governors.

Professional Development Panel: Neuropsychology Research Training Around the World

Thursday July 10 • 9:00–10:30 AM

Galil Hall

Panelists: Gina Geffen, Ph.D., Michela Balconi, Ph.D., Juan C. Arango Lasprilla, Ph.D., Jennifer J. Manly, Ph.D.

Join us for a discussion hosted by a panel of renowned international neuropsychologists at various stages in their careers. Panelists will speak to their experiences pursuing and establishing their research programs. Topics will include applying for graduate/postdoctoral training, securing funding for postdoctoral training, the general challenges of navigating academic systems, translating/communicating foreign credentials to qualify for jobs, and securing academic posts.

Student Lunchtime Meeting Space

Thursday July 10 • 11:00 AM–12:00 PM

Galil Hall

Time for some informal lunchtime networking! Bring your own lunch, and meet other students/trainees at the Mid-Year Meeting. Members of the INS Board of Governors and other neuropsychologists will also be available to speak with!

Invited Workshop: Publishing and Reviewing In Neuropsychology

Thursday July 10 • 2:30–4:00 PM (14:30–16:00)

Galil Hall

Presenter: Guy Vingerhoets, Ph.D.

This year's invited workshop will be devoted to the important topic of getting your research published. Professor Guy Vingerhoets will present on issues related to preparing and submitting research for publication, as well as the ins-and-outs of the article review process. Also learn about how students can get first-hand mentored experience as ad-hoc reviewers for *JINS*, the official publication of the International Neuropsychological Society!

Follow the INS SLC on Facebook!

The INS Awards Program

The INS Awards Program is intended to recognize the achievements of our members.

Awards may be given to recognize scientific achievement in **Early Career**, Mid-Career (the **Benton Award**), or for a **Lifetime of Achievement** in research, education or service in the field of neuropsychology. The **INS Distinguished Career Award** may

be given to recognize individuals at or near the end of their careers who have made major, sustained contributions to the field of neuropsychology as well as to the INS. The **Paul Satz-INS Career Mentoring Award**, given in honor of Dr. Paul Satz and sponsored by PAR, Inc., is given to recognize mentoring and teaching activities that have profoundly impacted the careers of students in the field of neuropsychology. *Nominations for these awards are solicited from the membership each year and winners are selected by the Awards Committee with approval from the Board of Governors.*

Program awards are selected by the Program Committee to recognize the most outstanding scientific contributions at the Annual and

Mid-Year Meetings. These include the **Nelson Butters Award** for outstanding submission by a postdoctoral fellow, the **Phillip M. Rennick Award** for outstanding submission by a graduate student, and the **Laird S. Cermak Award** for the best submission in the field of memory or memory disorders. This year the INS is pleased to announce the **Marit Korkman Award**, honoring Dr. Marit Korkman's impact in the field, for the most outstanding student contribution at the Mid-Year Meeting on a topic in pediatric neuropsychology. In conjunction with the INS Program and Awards Committees, the INS Student Liaison Committee recognizes an additional five students for their meritorious abstract submissions at each meeting through the selection of the **SLC Student Research Awards**.

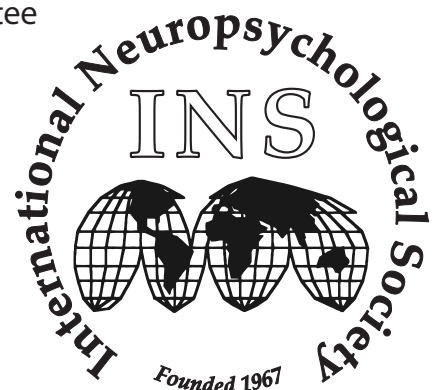
Don't miss the
INS Awards Ceremony

Thursday, July 10
Beginning at 5:30 PM

Zion Ballroom

*Followed by the INS
Business Meeting*

*For more about the INS Awards Program and previous award recipients, please visit **www.the-ins.org**.*



INS Distinguished Awards

INS Distinguished Career Award

Dan Hoofien



Professor Dan Hoofien is one of the senior rehabilitation psychologists and clinical neuropsychologists in Israel and has had a tremendous impact on the development and quality of these professions during the last four decades. He received his academic education in psychology at Tel-Aviv University (Ph.D., 1994). His involvement in neuropsychological rehabilitation began relatively early, during his graduate studies at TAU, when he served as the clinical coordinator of an experimental trial in the behavioral rehabilitation of young patients with severe TBI. In 1974, he joined Professors Y. Ben Yishay and L. Diller of NYU in establishing the then-pioneering Israeli day center program for the rehabilitation of patients with TBI, which he subsequently directed. The interventions and neuropsychological rehabilitation methods that were developed in this program served as the model and gold standard for many similar programs worldwide. The Israeli program evolved and later expanded to become the National Institute for the Rehabilitation of the Brain Injured (NIRBI), which Dan led for more than three decades, imposing high quality and uncompromising professionalism on the program. Under Dan's leadership, the Institute evolved to become the largest community-based neuropsychological rehabilitation center in Israel, serving more than 250 patients annually. In addition to his managerial and supervisory duties, Dan and his teams have developed innovative comprehensive methods for evaluating and treating cognitive, emotional, behavioral, and social disabilities and conducting longitudinal studies of rehabilitation outcomes. Specifically, he developed a unique pre-vocational rehabilitation program, a group vocational counseling course, a battery for training selective and divided attention, a cognitive group training program that applies updated teaching technologies, and a computerized library of cognitive training materials. Hundreds of patients were treated by the Institute under his supervision, achieving a high proportion of successful rehabilitation outcomes.

Professor Hoofien was among the first individuals to be accredited in Israel as a supervisor in Rehabilitation Psychology (1979), which also includes clinical neuropsychology in Israel. He has been very actively involved in professional issues related to neuropsychology and rehabilitation psychology. Dan served as the secretary of the Israeli Psychological Association (1997-2000), served as a member and later the chairperson of the Professional Committee of Rehabilitation Psychology, Ministry of Health (1979-1985, 2002-2008), was among the founders and served

as the chairperson of the Israeli Neuropsychological Society (1999-2002), and has participated in many other professional forums and committees, including the inter-ministerial steering committee on the rehabilitation of persons with brain injuries (2003-2013). Dan has been actively involved in accreditation and regulation processes within the field of rehabilitation psychology in Israel. Combined with his role as the Director of NIRBI, he has deeply influenced the professional determination, extensive development, and high quality of clinical neuropsychology in Israel—a profession that requires, in both education and practice, evaluation as well as psychotherapeutic and cognitive interventions. He has personally mentored and supervised dozens of students and interns in clinical neuropsychology. To date, some of his former supervisees serve in senior professional and academic positions worldwide.

Professor Hoofien joined the Psychology Department at the Hebrew University of Jerusalem in 1994, where he is still fully active. He headed the graduate program in clinical neuropsychology between 2002 and 2006. In addition to teaching central courses in clinical neuropsychology and mentoring dozens of M.A. and Ph.D. students, he has conducted studies centered on two major themes: unawareness of deficits and long-term evaluations of the efficacy of neuropsychological rehabilitation. Dan has published numerous articles, book chapters and empirical studies in local and international journals and given dozens of conference presentations, including presentations at INS meetings. Combining his research and clinical interests, he recently devised an extensive multi-center follow-up study on the efficacy of neuropsychological rehabilitation programs. The data collected in this study aim to both improve the quality of programs and define potential predictors of program outcomes. Preliminary findings have already been presented at INS and other meetings and are currently being summarized for publication. Professor Hoofien serves as an ad-hoc reviewer for *JINS*, *TBI*, *TCN*, *JCENP*, and other related journals. He has been a member of INS since 1985 and served as a member of the INS Publications Committee between 2006 and 2013.

INS Distinguished Awards

The Paul Satz-INS Career Mentoring Award Gina Geffen



After earning her Ph.D. from Monash University in 1972, Gina Geffen joined the Psychology faculty at Flinders University of South Australia, where she directed the Neuropsychology Research Unit in the Julia Farr Centre. In 1991 she became a Professor of Psychology at Queensland University, and directed the Cognitive Psychophysiology Laboratory there until she became an Emeritus Professor in 2007.

Professor Geffen is a Fellow of the Australian Psychological Society, the Academy of Social Sciences of Australia, and the Australian Society for the Study of Brain Impairment (ASSBI). She is a Past President of ASSBI, and has chaired the Australian College of Clinical Neuropsychologists, the Psychologist Registration Board of Queensland, and the Australian Psychology Accreditation Council. Her numerous prestigious awards include the Australian Psychological Society's President's Award for Distinguished Service to Psychology, and in 2007 becoming a Member of the Order of Australia (AM).

Dr. Geffen has had continuous extramural grant support for her research program for more than 33 years. Her research has addressed many important topics in neuropsychology, including attention and working memory, TBI, cerebral lateralization, and behavioral genetics. She is on multiple editorial boards and her publication list includes 140 peer reviewed research articles, 15 book chapters, 10 articles in professional and popular journals, and 7 test manuals. Notably, these publications have been with 139 different co-authors, many of whom have been her students and other mentees. Overall, she has supervised 18 doctorates and 44 Masters and Honors theses. Multiple of her former students and junior colleagues wrote in support of her receiving the Paul Satz-INS Career Mentoring Award sponsored by Psychological Assessment Resources, Inc. Just a few of their comments will be quoted here to illustrate the kind of mentor she is and the influence she has had on many students and junior colleagues over the last 45 years:

"Professor Geffen has made substantial contributions to both the science and practice of neuropsychology worldwide and to the education, training and governance of the

profession in Australia... I recall well the extraordinary generosity in her guidance, offering advice and direction of the highest quality in the development of my career. This guidance was well beyond the norm in mentoring and it provided the most nurturing and positively challenging environment for intellectual and professional development. I also recall well how so many of my peers benefited at the time from this gift in the development of their own careers. Professor Geffen's reputation as an extraordinary leader and mentor remains strong not only in my own memory but also in the verbal testimonies of colleagues I meet year after year at professional meetings." Professor C. Richard Clark, Flinders University

"Personally, I have benefited much from Professor Geffen's mentoring. Although I was not her student and we used to work in different institutions in Brisbane, she has always been generous with her time for me and for those who seek her advice and guidance. I strongly believe that the development and progression in my career has been influenced and benefited from her valuable mentoring." Professor David Shum, Griffith University

"Professor Geffen is a person whose mentoring and teaching activities have made a profound impact on the careers of students in the field of neuropsychology both within Australia as well as on the wider international stage... I have the highest regard for Professor Geffen as a mentor, supervisor, researcher, academic, administrator and a person. I feel that she would make an ideal recipient of the award and do justice to sustaining Professor Satz's legacy." Professor Simon Crowe, La Trobe University

Jerusalem Program Awards

THE MARIT KORKMAN AWARD

Presented for the Best Student Submission in Pediatric Neuropsychology at the Mid-Year Meeting



Sarit Rotem, MS
Bar-Ilan University

Where to see this
award-winning
presentation

Paper Session 2: Attention
Wednesday, July 9, 2014 at 10:00 AM
Zion Hall B

Asymmetric Attention Networks: The Case Of Children

S. Yaakoby-Rotem, R. Geva

Objective: Visuospatial attention networks are represented in both hemispheres, with right-hemisphere dominance. Little is known about the lateralization of the attention networks in children. The objective of the current study was to generate an adaptation of the Attention Network Test for Children (ANT-C) (Rueda et al., 2004) and the Lateralized Attention Network Test (LANT) (Greene et al., 2008) to create a children's version of the latter (LANT-C).

The first aim was to compare performance on the ANT-C with results of the LANT-C. The second aim was to study the added value of the LANT-C by studying expressions of each of the three attention-networks as functions of a lateralized stimulus presentation, and lateralized execution. The goal was to understand how the different combinations of stimulus presentation field and executing hand influence the functioning of the three networks in children.

Participants and Methods: Participants were 82 children, aged 5-6y. They were examined with the ANT-C, LANT-C, and intelligence and attention questionnaires. To assess the lateralization of attentional-networks performance on the LANT-C was compared with performance on the ANT-C.

Results: MANOVA showed a main effect for network, with high efficiency for orienting and lower executive efficiency (accuracy; $p < 0.001$, $\eta^2 = .282$). An effect for procedure elucidated higher efficiency in the ANT-C relative to LANT-C (accuracy; $p < 0.01$, $\eta^2 = .097$). A procedure x network interaction was also found; procedure difference was present in alerting and executive networks ($p < 0.05$, $\eta^2 = .096$). A LANT-C analysis showed left visual-field alerting advantage, while right hand benefitted executive performance.

Conclusions: Results extend previous findings manifesting a right-hemisphere advantage in children's alerting-attention, pointing to the importance of lateralization of brain function in understanding the integrity of attention networks in children.

THE NELSON BUTTERS AWARD

Presented for the Best Submission by a Postdoctoral Fellow



Sarah Rajtmajer, PhD
Pennsylvania State University

Where to see this
award-winning
presentation

Paper Session 12: Cognitive Neuroscience (B)
Friday, July 11, 2014 at 10:30 AM
Zion Hall B

Modeling Plasticity in Brain Networks After Neurological Disruption: A Critique of Connectivity Modeling Approaches

S. Rajtmajer, F. G. Hillary

Objective: The goal of this presentation is to provide a critical overview of the current approaches used to examine functional brain connectivity in neurologically impaired samples. There is now a growing literature using functional imaging methods to examine brain network changes and it is a goal in this presentation to offer a critique of the current methods used to examine brain pathology and aging including possible pitfalls and advantages of each approach.

Participants and Methods: We conducted a literature review of over 1400 studies examining neural networks in multiple sclerosis, traumatic brain injury, mild cognitive impairment, and Alzheimer's disease. We outline the current approaches used to examine connectivity modeling in the brain, focusing the review on several critical decision points in connectivity modeling including: 1) data pre-processing, 2) region-of-interest selection, 3) network creation and modeling, 4) network variability and issues surrounding stationarity, and 5) integration of behavior. We discuss the robustness of connectivity findings to various approaches including issues surrounding non-stationarity and network thresholding.

Results: This critical review reveals a number of possible approaches for determining region of interest selection and defining connectivity in a network. The primary methods for selecting network "nodes", or brain regions, remains: 1) anatomical atlases, 2) independent components analysis and 3) seed-based approaches. Less commonly graph theoretical approaches are being used. Importantly, consistent findings emerge even given the diversity of approaches.

Conclusions: Connectivity modeling of brain networks holds incredible promise for the understanding of neurological disorders. While a number of approaches currently exist, there remain important methodological challenges for mapping brain functioning and these critical issues require continued attention.

Jerusalem Program Awards

THE LAIRD S. CERMAK AWARD

Presented for the Best Submission in the Field of Memory or Memory Disorders



Yoni Pertzov, PhD
The Hebrew University of
Jerusalem

Where to see this
award-winning
presentation

Paper Session 13: Memory
Friday, July 11, 2014 at 12:00 PM
Zion Hall A

*Remembering What Was Where, From
Cognitive Mechanisms to the Clinic*

Y. Pertzov

Objective: It has been suggested that objects are maintained as integrated units in working memory and when forgotten they are lost as a whole, without leaving any trace. To study the relevance of this claim to real-life situations, we investigated how object-location information is remembered – and forgotten.

Participants and Methods: We used a localization task with a continuous, analogue scale of reporting rather than binary (correct / incorrect recall) responses, with difficult-to-verbalize stimuli and variable delays.

Results: Analysis of the distribution of localization errors made by healthy participants showed that items were sometimes mislocalized precisely near the original position of other items in memory ('swap errors'). Moreover, when objects were forgotten they did not disappear completely from memory, but rather the links (bindings) between identity and location became vulnerable with time, so swap errors increased with longer retention intervals. Maintaining object-location links was found to be especially fragile in patients with focal, bilateral damage of the medial temporal lobes (MTL), specifically the hippocampus. Increased binding errors also occurred in pre-symptomatic carriers of an autosomal dominant gene (PSEN1 or APP) which gives 100% risk of developing Alzheimer's disease. Hippocampal volume in these individuals, who scored within normal range in standard neuropsychological tests, correlated inversely with the number of binding errors.

Conclusions: These findings offer an insight into the early cognitive deficits associated with Alzheimer's disease and strengthen the claim that the hippocampus is necessary for maintaining associative information across short retention intervals, challenging traditional accounts of MTL function as exclusively involved in long term memory. The results are also a proof of concept for the ability of continuous report tasks to measure and quantify early (asymptomatic) impairments in memory disorders.

Acknowledgment: The research was done with the help of many others, especially Masud Husain from University of Oxford.

THE PHILLIP M. RENNICK AWARD

Presented for the Best Submission by a Graduate Student



Dror Dotan
Tel Aviv University
INSERM (France)

Where to see this
award-winning
presentation

Paper Session 5: Language
Wednesday, July 9, 2014 at 3:30 PM
Zion Hall A

*Breaking Down Number Syntax:
Dissociation Between Naming and
Comprehension of Two-Digit Numbers*

D. Dotan, S. Dehaene, N. Friedmann

Objective: What is the scope of the syntactic processes that handle multi-digit numbers? Can the meaning of two-digit Arabic numbers be accessed even if a syntactic deficit prevents accessing their verbal-phonological representations?

Participants and Methods: We explored the number processing of ZN, an aphasic patient with a syntactic deficit in digit-to-verbal transcoding.

Results: ZN could hardly read aloud two-digit numbers, but could read them as single digits ("four, two"). Neuropsychological examination showed that his deficit was neither in digit input nor in phonological output processes, as he could copy and repeat two-digit numbers. His deficit lied in a central process that converts digits to abstract number words and sends this information to phonological retrieval processes. Crucially, in spite of this deficit in number transcoding, ZN's two-digit comprehension was spared in several ways: (1) he could calculate two-digit additions; (2) he showed good performance in a two-digit comparison task, and a continuous distance effect; and (3) his performance in a task of mapping numbers to positions on an unmarked number line showed a logarithmic (nonlinear) factor, indicating that he represented two-digit Arabic numbers as holistic two-digit quantities.

The number-to-position task further showed that whereas ZN's logarithmic representation was normal, his linear quantity encoding was delayed and more decomposed into digits than in the control group.

Conclusions: Two-digit number comprehension – arithmetic and quantity encoding – does not require converting the digits to verbal representation. Namely, saying and comprehending multi-digit Arabic numbers is handled by separate syntactic processes.

ZN's performance in number-to-position task suggests two separate quantity encoding mechanisms: a logarithmic-holistic mechanism, which is intact for ZN, and a linear-decomposed mechanism, which is impaired. The latter might be related to the verbal encoding of numbers.

Jerusalem Student Awards

The INS Student Liaison Committee, in conjunction with the INS Program and Awards Committees, recognizes the following five students as recipients of the **SLC Student Research Award**.

Oren Civier, PhD <i>Postdoctoral Fellow</i> Bar-Ilan University	<p><i>Reduced Fractional Anisotropy in the Anterior Corpus Callosum Predicts Reduced Speech Fluency in Persistent Developmental Stuttering</i></p> <p>O. Civier, V. Kronfeld-Duenias, O. Amir, R. Ezrati, M. Ben-Shachar</p>
Where to see this presentation	Paper Session 5: Language Wednesday, July 9, 2014 at 3:30 PM (Zion Hall A)
Irene Huenges Wajer, MSc <i>Doctoral/PhD Student</i> University Medical Center Utrecht	<p><i>Relationship Between CT-perfusion on Admission and Cognitive Functioning 3 Months After Aneurysmal Subarachnoid Hemorrhage</i></p> <p>I. Huenges Wajer, C. Cremers, M. van Zandvoort, M. Vergouwen, I. van der Schaaf, B. Velthuis, J. Dankbaar, P. Vos, A. Visser-Meily, G. Rinkel</p>
Where to see this presentation	Paper Session 14: Cognitive & Behavioral Neurology Friday, July 11, 2014 at 12:00 PM (Zion Hall B)
Monica Toba, PhD <i>Postdoctoral Fellow</i> L'Institut du Cerveau et de la Moelle Épinrière	<p><i>Neuroanatomy of Visuo-Spatial Neglect: A Game-Theoretical Analysis Approach</i></p> <p>M. Toba, M. Zavaglia, F. Rastelli, C. Hilgetag, A. Valero-Cabre</p>
Where to see this presentation	Poster Session 2: Attention, Autism, Emotion, Epilepsy, Genetics, Laterality, Infectious Disease, Imaging, Learning Disabilities, & Visuospatial Functions Wednesday, July 9, 2014 at 2:00 PM (Zion Hall D and West & North Foyers)
Hila Zadka, MA <i>Doctoral/PhD Student</i> The Hebrew University of Jerusalem	<p><i>Patients with Parkinson's Disease Are Able to Learn in a Probabilistic Feedback-Based Learning Environment When Level of Uncertainty Is Reduced</i></p> <p>H. Zadka, H. Bergman, E. Vakil</p>
Where to see this presentation	Paper Session 10: Cognitive Neuroscience (A) Thursday, July 10, 2014 at 3:45 PM (Zion Hall B)
Naama Mayseless <i>Doctoral/PhD Student</i> University of Haifa	<p><i>Modulating Creativity by Altering the Balance Between Right and Left Inferior Frontal Gyrus with tDCS</i></p> <p>N. Mayseless, S. Shamay-Tsoory</p>
Where to see this presentation	Paper Session 12: Cognitive Neuroscience (B) Friday, July 11, 2014 at 10:30 AM (Zion Hall B)

The SLC Student Research Awards at the 2014 Mid-Year Meeting are supported by a grant from the American Psychological Association's Committee on International Relations in Psychology.

Keynote & Plenary Speakers



Presidential Address: Neuropsychology, Networks and Connectivity

Wednesday, July 9 • 5:30–6:30 PM
Zion Ballroom • Introduction: Eli Vakil

INS President, Erin D. Bigler

Professor of Psychology and Neuroscience, and Director, Magnetic Resonance Imaging Research Laboratory, Brigham Young University, Provo, Utah, USA

Adjunct Professor of Psychiatry, University of Utah School of Medicine, Salt Lake City, Utah, USA

Erin D. Bigler, PhD, holds the Susa Young Gates Chair as Professor of Psychology and Neuroscience at Brigham Young University (BYU) where he served as Chair of the Psychology Department for over six years (1996-2002). He is also an Adjunct Professor in the Department of Psychiatry at the University of Utah. He was formerly a professor of psychology and psychiatry at the University of Texas, until he returned to Utah in 1990 to assume his current position. In 1977 at the University of Texas at Austin, he established the clinical neuropsychology subspecialty training program that continues to this day and in the early 1980's at UT Austin also established the Brain Imaging and Behavior Laboratory, which he brought with him when he came to BYU. The Brain Imaging and Behavior Laboratory has played a key role in numerous multi-site collaborative studies providing quantitative neuroimaging analysis. His research has focused on the interface between neuroimaging findings and methods of analysis in the study of cognitive and neurobehavioral outcome associated with a variety of disorders including traumatic brain injury, Alzheimer's disease and related neurodegenerative disorders, and neurodevelopmental disorders like autism and learning disability. He served as President of the National Academy of Neuropsychology from 1989-1990, and later in 1999, received their Distinguished Clinical Neuropsychologist Award. In that same year, he was also the recipient of the Karl G. Maeser Distinguished Faculty

Lecturer Award, Brigham Young University's top faculty honor.

Dr. Bigler has authored and developed several neuropsychological tests, published 90 book chapters, and authored and/or edited 9 textbooks—most recently as one of the coauthors of Muriel Lezak's *Neuropsychological Assessment*, 5th Edition. He has also authored/co-authored and published over 270 peer-reviewed articles in neuropsychology, neuroimaging and cognitive neuroscience.

Dr. Bigler is the current President of the International Neuropsychological Society. He previously served as INS Treasurer and as a member of the Board of Directors for many years. He was the inaugural Associate Editor for the *Journal of the International Neuropsychological Society (JINS)* and served in that capacity for 11 years. He is the founding Associate Editor of the journal *Brain Imaging and Behavior* and likewise serves as an Associate Editor for *Neuropsychology* along with several other editorial boards. He has been a licensed psychologist since 1975, practicing in the area of clinical neuropsychology, and holds a Diplomate from the American Board of Professional Psychology with special competence in clinical neuropsychology. He has trained over 125 doctoral students in his nearly 40 years as a professor. Recently Dr. Bigler was appointed the Director of BYU's new MRI Research Facility which houses an on-campus Siemens 3Tesla magnetic resonance scanner.

Keynote & Plenary Speakers



The Herbert Birch Memorial Lecture: Adolescent Brain Development

Thursday, July 10 • 2:15–3:15 PM
Zion Ballroom • Introduction: Jason Brandt

Eveline Crone

Professor, Developmental and Educational Psychology, Institute of Psychology, Leiden University, The Netherlands

Professor Eveline Crone is a full professor at Leiden University and at the University of Amsterdam. Before starting her own laboratory at Leiden University, she obtained her PhD *cum laude* at the University of Amsterdam under supervision of Maurits van der Molen and was a post-doctoral fellow at the University of California, Davis, collaborating with Silvia Bunge.

Since 2005, she has headed the Brain & Development Laboratory at Leiden University, in which approximately 15 researchers investigate how children and adolescents make decisions and how this relates to brain development. All of her work employs a developmental cognitive neuroscience approach, by using fMRI, ERP and autonomic measures in combination with experimental tasks.

She obtained several large research grants from the Dutch NWO and the European Research Council (including a 1.5k ERC Grant).

In the Netherlands, her research has been awarded many times, including a top achievement award from the National Network for Women in Science, and the Award for Science and Communication handed out by the Dutch Minister of Education. In 2011, she received the Early Career Award from the Society for Psychophysiological Research in Boston. She has published more than 90 articles in scientific journals, and her work is well-cited. She published the Dutch book *The Adolescent Brain* for the general public, which sold over 75,000 copies. She has been a member of the Royal Netherlands Academy of Arts and Sciences since 2013.



Keynote: Confessions of a Serial Mentor and Mentee: Reflections on Collegiality in Research, Teaching and Clinical Practice

Thursday, July 10 • 12:15–1:15 PM
Zion Ballroom • Introduction: Jennie Ponsford

Gina Geffen, Satz-INS Award Winner

*Emeritus Professor of Psychology, University of Queensland, Australia
Director of Clinical Psychology, Brisbane Pain Rehabilitation Service, Australia*

After completing a BA (honors) in 1963 at the University of Witwatersrand, Professor Gina Geffen undertook research training in the Department of Experimental Psychology at Oxford University, before completing her PhD in 1971 at Monash University. In 1972 she moved to the Flinders University of South Australia, where she was appointed to Australia's first chair of Neuropsychology in 1988. In 1991, she obtained a personal Chair at the University of Queensland, where she directed the Cognitive Psychophysiology Laboratory until retirement in 2007.

In the Queen's Birthday Honours of 2007, she was made a Member of the Order of Australia (AM), General Division, for services to the psychology profession and the community. In 2008, she received the President's Award for Distinguished

Services to the Australian Psychological Society, and Flinders University conferred an honorary Doctorate of Science for her scientific and teaching contributions to Neuropsychology. In 2010, she was appointed a Foundation Member of the Psychology Board of Australia, having previously chaired the Queensland Registration Board for a decade.

In a career spanning 50 years she has mentored several hundred postgraduate students and junior colleagues. Her 172 publications include 139 of her mentees as co-authors. Her accomplishments have been recognized by election as Fellow of the Academy of Social Sciences of Australia, of the Australian Psychological Society, and of the Australian Society for Brain Impairment. She remains active in private practice as a clinician, researcher, trainee supervisor and mentor.

Keynote & Plenary Speakers



Keynote: Neurocognitive Mechanisms of Number Processing and Developmental Dyscalculia

Wednesday, July 9 • 12:00–1:00 PM
Zion Ballroom • Introduction: Ora Kofman

Avishai Henik

Professor, Department of Psychology, Ben-Gurion University of the Negev, Beer Sheva, Israel

Professor Avishai Henik received his PhD from the Hebrew University of Jerusalem under the supervision of Professor Daniel Kahneman and then carried out postdoctoral research at the University of Oregon Department of Psychology under the supervision of Professor Michael Posner. He is currently a Professor at the Department of Psychology at Ben-Gurion University of the Negev, Israel (BGU). He has served as Chair of the Department, Dean of the Faculty of Humanities and Social Sciences, and currently holds the Zlotowski Chair in Cognitive Neuroscience.

His laboratory studies the neural and cognitive

basis of numerical processing, attention, cognitive control, emotion, and synesthesia. Investigation of the brain-behavior relationship is carried out using behavioral methods, neuroimaging techniques and computation, with normal populations and those with learning disabilities (e.g., developmental dyscalculia) and brain injuries. Recently, with the funding of an ERC Advanced Researcher Grant, his lab has started conducting research on fish in an effort to study numerical cognition and attention in an evolutionarily older system. Professor Henik has received the BGU President's Award for Excellence in Research and is an elected fellow of the American Psychological Society.



Keynote: Insights Into Cognition from Intracranial Recordings

Friday, July 11 • 9:00–10:00 AM
Zion Ballroom • Introduction: Leon Deouell

Robert T. Knight

Professor of Psychology and Neuroscience, Department of Psychology, Helen Wills Neuroscience Institute, University of California, Berkeley, California, USA

Dr. Robert Knight received a degree in Physics from the Illinois Institute of Technology, an MD from Northwestern University Medical School, and did Neurology training at UC San Diego and postdoctoral training at the Salk Institute for Biological Studies. He was a faculty member in the Department of Neurology at the UC Davis School of Medicine from 1980-1998. Dr. Knight moved to UC Berkeley and served as Director of the Helen Wills Neuroscience Institute from 2001 until 2011. Recently he founded the Center for Neural Engineering and Prosthesis and

the Center for Child Development.

Dr. Knight has received the Jacob Javits Award from the National Institute of Neurological Disorders and Stroke for distinguished contributions to neurological research, the IBM Cognitive Computing Award, the German Humboldt Prize in Neurobiology, the Neurobionics Prize for contributions to Brain Machine Interface research, and the Distinguished Career Contribution Award from the Cognitive Neuroscience Society. His work focuses on the role of frontal cortex in organized behavior.



Keynote: Free Neuronal Associations in the Human Brain

Thursday, July 10 • 9:00–10:00 AM
Zion Ballroom • Introduction: Erin D. Bigler

Rafi Malach

Professor, Department of Neurobiology, Weizmann Institute of Science, Rehovot, Israel

Professor Rafi Malach is a professor in the Department of Neurobiology at the Weizmann Institute of Science in Rehovot, Israel. He is a Kimmel Investigator and the incumbent of the Barbara and Morris Levinson Professorial Chair in Brain Research.

Professor Malach's research aim is to uncover principles by which the human brain underlies the emergence of sensory perceptual images. He

combines functional brain imaging with invasive electrophysiological recordings, performed for diagnostic purposes in patients. Professor Malach contributed to our understanding of organizing principles of the human visual system—both in space and time. More recently his work extended to the examination of spontaneous brain activity patterns and their potential role in understanding brain function in health and disease.

Continuing Education Program



Raul Gonzalez,
CE Committee Chair

The International Neuropsychological Society's Continuing Education (CE) sessions are designed to provide a practical review of current research as well as information on clinical and technological advances in specific areas of content relevant to neuropsychology and the cognitive neurosciences. The INS is grateful for the tireless efforts of its CE Committee and Program Committee Chairs in assembling these fine educational programs for attendees at the 2014 Mid-Year Meeting.

APA Continuing Education Credits

The International Neuropsychological Society is approved by the American Psychological Association to sponsor Continuing Education for psychologists. INS maintains responsibility for this program and its contents. All Continuing Education (CE) sessions are geared for advanced level instructional activity. Up to 1.5 CE credit hours are available for this program.

In order for Continuing Education credits to be issued to North American psychologists (or attendees from any other country), APA requires documentation of attendance for the full duration of the session and completion of an evaluation form. You will receive an attendance slip upon entry to the session. ***You must submit the attendance slip for each session as proof of your attendance. Without this proof you will not be able to complete the online evaluation form and receive your CE certificate.*** Please submit the attendance slip to the proctor at the end of the session.

For those who submit attendance slips, evaluation forms and Certificates of Attendance will be available online through the INS website at **www.the-ins.org**. Follow the "Obtain CE credit from the 2014 Mid-Year Meeting" link posted on the home page of the INS website.

Pre-Meeting CE Workshops

Two parallel Pre-Meeting CE Workshops will be held on the morning of Wednesday, July 9 prior to the opening session. There is a separate fee to take part in the Workshops. Registered participants are required to wear their name badge for admittance to the workshops. Each Pre-Meeting Workshop at the 2014 Mid-Year Meeting is offered for 1.5 CE credit hours.

Please Note: Workshop handouts are only available online through the INS website. No printed copies will be distributed at the meeting.

Pre-Meeting CE Workshops



Workshop A: Evidence-Based Practice and the Use of Reliable Change Methods

Wednesday, July 9 • 8:15–9:45 AM • Zion Hall A

Gordon J. Chelune

Professor, Department of Neurology and Senior Neuropsychologist, Center for Alzheimer's Care, Imaging and Research, University of Utah School of Medicine; Member, The University of Utah Center on Aging; Member, The Brain Institute at the University of Utah; Salt Lake City, UT, USA

Gordon J. Chelune, PhD, is Professor of Neurology at the University of Utah School of Medicine where he is currently Senior Neuropsychologist in the Center for Alzheimer's Care, Imaging and Research, and also a member of the faculty of the Brain Institute, Center on Aging, and Department of Psychology. He has authored over 150 peer-reviewed papers, books and book chapters, and has given over 75 CE programs. He is well known for his work on serial assessment and methods of reliable change in outcomes research, cognitive assessment methods, and memory disorders. Dr. Chelune is a Fellow of the National Academy of Neuropsychology, the American Psychological Association in the Division of Clinical Neuropsychology, and the Society for Personality Assessment. He has served as Secretary and President of the National Academy of Neuropsychology, President of the APA Division of Clinical Neuropsychology, and is the current Executive Secretary of the International Neuropsychological Society.

Workshop Outline:

Assessment of cognitive change is at the heart of neuropsychological assessments. Be it from a presumed premorbid level or an observed baseline, the evidence-based practitioner of the 21st century needs to be able to identify when a reliable and clinically meaningful change in a patient's cognitive ability has occurred. Serial assessments have become a standard of practice to evaluate both disease progression and recovery as well as the efficacy and side effects of medical procedures such as medications, surgical interventions, medical management,

and rehabilitation. This session will discuss the fundamental factors that affect retest scores, with special attention given to such issues as differential practice effects, measurement error, regression to the mean, and individual differences in baseline ability. The family of Reliable Change methods for assessing the magnitude of retest change needed to be statistically meaningful will also be reviewed. Participants will learn how differences between observed and predicted retest scores can be tied to Test Operating Characteristics and used to inform clinical decision making. Participants will also be provided several simple and readily available tools for creating regression equations based on basic summary data typically found in test manuals and research reports to evaluate the significance of a patient's change scores.

Learning Objectives:

Upon completion of the workshop, participants will be able to:

1. Discuss and explain the critical factors that affect the reliability and fidelity of serial assessments and the unique/statistical features of change scores;
2. Compare and contrast reliable change methods that estimate and/or measure the dispersion of change scores and how these methods can be linked to base-rate information and Test Operating Characteristics to inform clinical practice and enhance clinical research; and
3. Use simple summary data in test manuals and research reports to create regression equations to evaluate the significance between observed and predicted retest scores.



Workshop B: Hypoxia-Ischaemia, Hippocampal Damage and Memory Impairment: A Causal Hypothesis?

Wednesday, July 9 • 8:15–9:45 AM • Zion Hall B

Faraneh Vargha-Khadem

Head of Unit, and Professor of Developmental Cognitive Neuroscience, UCL Institute of Child Health; Director, UCL Centre for Developmental Cognitive Neuroscience; Speciality Lead, Clinical Neuropsychology, and Consultant Neuropsychologist, Great Ormond Street Hospital, London, UK

Professor Vargha-Khadem studies the effects of early brain injury on cognition and behaviour. Her work is focused on developmental amnesia, brain and speech abnormalities associated with the mutation of FOXP2, and reorganization of function after neurosurgery for epilepsy. She holds a chair in Developmental Cognitive Neuroscience at the UCL Institute of Child Health, and is head of her department. Professor Vargha-Khadem is also Director of the UCL Centre for Developmental Cognitive Neuroscience. She was elected Fellow of the Academy of Medical Sciences in 2000, and has received a number of awards, including the 2006 Jean Louis Signoret Prize for her contributions to genetics of behaviour.

Workshop Outline:

In this workshop I will describe the features of developmental amnesia and explain how this selective form of memory impairment presents in the clinical setting. I will also highlight the three dissociations in cognitive memory that are characteristic of the syndrome of developmental amnesia. Neuropsychological and neuroimaging data from large

cohorts of children, adolescents and adult patients will be presented to provide evidence of a causal sequence starting from neonatal exposure to hypoxia-ischaemia leading to bilateral hippocampal pathology, and, consequently, to selective deficits in episodic memory, recall, and recollection.

Learning Objectives:

Upon completion of the workshop, participants will be able to:

1. Recognise the critical features of the syndrome of "Developmental Amnesia" and be able to diagnose this condition based on neuropsychological and neuroimaging profiles.
2. Understand the distinction between the effects on cognitive memory of bilateral versus unilateral lesions of the medial temporal lobe in relation to the age at onset of pathology, and extent of damage.
3. Use neuropsychological tests to demonstrate dissociations between episodic versus semantic memory, recognition versus recall, and recollection versus familiarity judgements.

Exhibitors & Support

Sponsoring companies and organizations make a valuable contribution to the success of the meeting and towards achieving the aims of the INS by enhancing communication among the scientific disciplines which contribute to the understanding of brain-behavior relationships.

The Mid-Year Meeting Exhibition will take place in Zion Hall D on July 9, 10 and 11. Exhibitors include:



American Psychological Association

750 First St. NE, Washington, DC 20002, USA

Tel: (800) 374-2721

Email: agibbs@apa.org

www.apa.org



NBT New Bio Technology Ltd.

3 Mekor Hayim St., Jerusalem, Israel

Tel: +972-2-6732001

Email: nbtsales@nbt ltd.com

www.nbt ltd.com

Brain Computer Interface Presentation

Professor Gunther Krausz will offer an in-depth presentation on the Brain Computer Interface (BCI) during the Mid-Year Meeting. The BCI presentation will take place on Friday July 11 at 14:00.

Please stop by the NBT booth in Zion Hall during exhibition hours for additional information and to register for the presentation.



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The INS 2014 Mid-Year Meeting has been organized with the support of

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Changes to the Final Program & Overview

The following changes to the program occurred after it was finalized. These changes will be included in an addendum to the Final Program in the *Journal of the International Neuropsychological Society (JINS)*, Volume 20.

Major Changes to the Program

- On Thursday July 10, the INS Awards Ceremony & Business Meeting will now begin at **5:30 PM (17:30)**, following a 15-minute break.
- The introduction for the Herbert Birch Memorial Lecture by Professor Eveline Crone is listed incorrectly in the Program Overview on page 22 and in the Final Program on page viii. The introduction will be provided by Professor Jason **Brandt**.
- Professor **Martha Denckla** has been added as the Discussant in *Symposium 7: Creating Accessible Measures for Children with Motor and Communication Impairments* (Chair: Tamar Silberg) on Friday July 11.

Changes on Wednesday July 9, 2014

Presenting Author Changes:

- 10:30–12:00 PM *Symposium 4: Have Video Demonstrations of Classic Neurobehavioral Syndromes Advanced Our Understanding of the Neural Substrates of Complex Behavior?*
- #1. HAALAND, KY. Aphasia and limb apraxia after left hemisphere stroke — **Dr. Haaland's presentation will be given by Dr. Robert Knight.**
 - #2. BOWERS, D. Hemispatial Neglect and Emotion Perception Disorders After Right Hemisphere Lesions — **Dr. Bower's presentation will be given by Dr. Barbara Wilson.**

Abstracts That Have Been Rescheduled:

- 2:00–3:30 PM *Poster Session 2: Attention, Autism, Emotion, Epilepsy, Genetics, Laterality, Infectious Disease, Imaging, Learning Disabilities, & Visuospatial Functions*
- #32. KHENTOV-KRAUS, L. Vowel Letter Dyslexia — **Moved to #41 in: Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/ Frontal Lobes, Memory Functions, and TBI (Thursday July 10, 10:30 AM–12:00 PM)**
- 3:30–5:00 PM *Paper Session 6: Development and Genetics, Moderated by Sarah Raz*
- #4. ANAKI, D. Factors Underlying Face and Emotion Recognition in Women with Turner Syndrome — **Moved to #5 in: Paper Session 11: Executive Functions, Moderated by Yehuda Pollak (Friday July 11, 10:30 AM–12:00 PM)**

Abstracts That Were Withdrawn After Being Accepted for Presentation:

- 10:00–11:30 AM *Poster Session 1: Aging, Behavioral Neurology, Cancer, Dementia, and Stroke/Aneurysm*
- #10. ASGHAR, M. Potential role of grape powder in improving age-related decline in brain and kidney functions.
- 2:00–3:30 PM *Poster Session 2: Attention, Autism, Emotion, Epilepsy, Genetics, Laterality, Infectious Disease, Imaging, Learning Disabilities, & Visuospatial Functions*
- #17. MORENO DE IBARRA, M. Pseudo-Crisis or Convulsive Syndrome? Transdisciplinary Neuropsychologic Assessment Contribution to Differential Diagnosis. From the Lab to Cognitive Intervention.
 - #23. WOODS, SP. HIV-Associated Neurocognitive Disorders Affect Resources Allocated to Prospective Memory Versus Ongoing Task Performance.
 - #25. SCHONFELD, D. The Effects of Bilingualism on Verbal Fluency and Executive Functioning in HIV infected Hispanic Adults.

Changes on Thursday July 10, 2014

Abstracts That Have Been Rescheduled:

- 10:30–12:00 PM *Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/Frontal Lobes, Memory Functions, and TBI*
- #10. HALLER, M. High Gamma Duration in Human Prefrontal Cortex Predicts Decision Time — **Moved to #41 in: Poster Session 5: Assessment/ Psychometrics/Methods, Cross Cultural, Drug/Toxin-Related Disorders, Electrophysiology, Forensic Neuropsychology, Demyelinating Disorders, and Psychopathology/Neuropsychiatry (Friday July 11, 10:30 AM–12:00 PM)**

Abstracts That Were Withdrawn After Being Accepted for Presentation:

- 10:30–12:00 PM *Paper Session 7: TBI (B), Moderated by Philippe Azouvi*
- #5. ASARNOW, R. Effects of White Matter Disruption and Restitution in Children on Cognitive impairments and Recovery During the First Year Following Moderate/Severe Traumatic Brain Injury.
- 10:30–12:00 PM *Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/Frontal Lobes, Memory Functions, and TBI*
- #16. KATZOFF, A. Best Conditions for Declarative Memory: Multiplication Facts as a Model.
 - #37. CHAMMAS, F. Contributions of personality assessment in understanding cognitive and affective disorders after TBI.
 - #39. STARGATT, R. Can Reading Delay In Complicated Mild And Moderate Traumatic Brain Injury (TBI) Be Distinguished From Developmental Reading Delay On Neuropsychological Tests?
- 3:45–5:15 PM *Paper Session 9: Interventions, Moderated by Ronny Geva*
- #4. IBARRETXE-BILBAO, N. Improving Functional Disability, Depression and Cognition in Parkinson Disease with REHACOP Program.
- 3:45–5:15 PM *Poster Session 4: Cognitive Neuroscience, Language and Speech Functions, and Medical/Neurological Disorders/Other*
- #11. RIVOLTA, D. Multi-voxel pattern analysis (MVPA) of fMRI data reveals aberrant face-discriminant ability in people with congenital prosopagnosia.
 - #14. NEUMANN-WERTH, Y. An Electrophysiological Investigation of the Lateral Anterior Positivity: Clinical Implications.

Changes on Friday July 11, 2014

Abstracts That Were Withdrawn After Being Accepted for Presentation:

- 10:30–12:00 PM *Poster Session 5: Assessment/Psychometrics/Methods, Cross Cultural, Drug/Toxin-Related Disorders, Electrophysiology, Forensic Neuropsychology, Demyelinating Disorders, and Psychopathology/Neuropsychiatry*
- #9. ASANO, K. Word Retrieval Process Analyzed by Clustering and Switching Components in Phonemic Verbal Fluency Test by Japanese with Parkinson's Disease.
 - #13. MORENO DE IBARRA, M. Neuropsychological Functioning of Children with Attention Deficit Hyperactivity Disorder, with High Functioning Autism and Without Diagnosis. From Research to Intervention.
 - #17. KOTIK-FRIEDGUT, B. Cultural Neuropsychology: Roots and New Branches.
 - #31. WILLSON, P. The Utility of MMSE as a Predictor of Real-Life Testamentary Capacity.

Program Overview

Time	Wednesday, July 9, 2014			
8:15 AM - 9:45 AM	Pre-Meeting CE Workshop A: Evidence-Based Practice and the Use of Reliable Change Methods <i>Location: Zion Hall A</i> <i>Presenter: Gordon J. Chelune</i>		Pre-Meeting CE Workshop B: Hypoxia-Ischaemia, Hippocampal Damage and Memory Impairment: A Causal Hypothesis? <i>Location: Zion Hall B</i> <i>Presenter: Faraneh Vargha-Khadem</i>	
9:45 AM - 10:00 AM	15-Minute Break <i>Location: On Own</i>			
10:00 AM - 11:30 AM	Symposium 1: Developmental Differences in Skill Learning: From Basic Science to the Clinic <i>Location: Zion Hall C</i> <i>Chair: Esther Adi-Japha</i>	Paper Session 1: Assessment <i>Location: Zion Hall A</i> <i>Moderator: Miriam Levav</i>	Paper Session 2: Attention <i>Location: Zion Hall B</i> <i>Moderator: Nachum Soroker</i>	Poster Session 1: Aging, Behavioral Neurology, Cancer, Dementia, and Stroke/Aneurysm <i>Location: Zion Hall D and West & North Foyers</i>
11:30 AM - 12:00 PM	Coffee Break <i>Location: Zion Hall D</i>			
12:00 PM - 1:00 PM	Keynote: Neurocognitive Mechanisms of Number Processing and Developmental Dyscalculia <i>Location: Zion Ballroom</i> <i>Presenter: Avishai Henik (Introduction: Ora Kofman)</i>			
1:00 PM - 2:00 PM	Lunch Break <i>Location: On Own</i>			
2:00 PM - 3:30 PM	Symposium 2: The Processing of Threat from a Cognitive and Social Perspective <i>Location: Zion Hall C</i> <i>Chair: Delphine Grynberg</i>	Paper Session 3: TBI (A) <i>Location: Zion Hall A</i> <i>Moderator: Dan Hoofien</i>	Paper Session 4: Dementia and Aging <i>Location: Zion Hall B</i> <i>Moderator: Richard F. Kaplan</i>	Poster Session 2: Attention, Autism, Emotion, Epilepsy, Genetics, Laterality, Infectious Disease, Imaging, Learning Disabilities, and Visuospatial Functions <i>Location: Zion Hall D and West & North Foyers</i>
3:30 PM - 5:00 PM	Symposium 3: Latest Developments in the Assessment and Management of People With Disorders of Consciousness <i>Location: Zion Hall C</i> <i>Chair: Barbara A. Wilson</i>	Paper Session 5: Language <i>Location: Zion Hall A</i> <i>Moderator: Guy Vingerhoets</i>		Paper Session 6: Development and Genetics <i>Location: Zion Hall B</i> <i>Moderator: Sarah Raz</i>
5:00 PM - 5:30 PM	Coffee Break <i>Location: Zion Hall D</i>			
5:30 PM - 6:30 PM	Presidential Address: Neuropsychology, Networks and Connectivity <i>Location: Zion Ballroom</i> <i>INS President: Erin D. Bigler (Introduction: Eli Vakil)</i>			
6:30 PM - 7:30 PM	Welcome Reception <i>Location: Zion West & North Foyers</i>			
7:00 PM - 8:30 PM	INS-SLC Student Networking Social, Presented by the INS Student Liaison Committee <i>Location: Larommy Balcony (Overlooking the Hotel Pool)</i> <i>Hosts: Irene Meier, Moran Gofer Levi</i>			

Program Overview

Time **Thursday, July 10, 2014**

9:00 AM - 10:00 AM	Keynote: Free Neuronal Associations in the Human Brain <i>Location: Zion Ballroom</i> <i>Presenter: Rafi Malach (Introduction: Erin D. Bigler)</i>			
9:00 AM - 10:30 AM	Neuropsychology Research Training Around the World: Student Professional Development Panel, Presented by the INS Student Liaison Committee <i>Location: Galil Room</i> <i>Presenters: Gina Geffen, Michela Balconi, Juan C. Arango Lasprilla, Jennifer J. Manly</i>			
10:00 AM - 10:30 AM	Coffee Break <i>Location: Zion Hall D</i>			
10:30 AM - 12:00 PM	Symposium 4: Have Video Demonstrations of Classic Neurobehavioral Syndromes Advanced Our Understanding of the Neural Substrates of Complex Behavior? <i>Location: Zion Hall C</i> <i>Chair: Kathleen Haaland</i>	Paper Session 7: TBI (B) <i>Location: Zion Hall A</i> <i>Moderator: Philippe Azouvi</i>	Paper Session 8: Language <i>Location: Zion Hall B</i> <i>Moderator: David Anaki</i>	Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/Frontal Lobes, Memory Functions, and TBI <i>Location: Zion Hall D and West & North Foyers</i>
12:00 PM - 12:15 PM	15-Minute Break <i>Location: On Own</i>			
12:15 PM - 1:15 PM	Keynote, presented by the INS-Satz Award Winner: Confessions of a Serial Mentor and Mentee: Reflections on Collegiality in Research, Teaching and Clinical Practice <i>Location: Zion Ballroom</i> <i>Presenter: Gina Geffen (Introduction: Jennie Ponsford)</i>			
1:15 PM - 2:15 PM	Lunch Break <i>Location: On Own</i>			
2:15 PM - 3:15 PM	The Herbert Birch Memorial Lecture: Adolescent Brain Development <i>Location: Zion Ballroom</i> <i>Presenter: Eveline Crone (Introduction: Jason Brant)</i>			
2:30 PM - 4:00 PM	Publishing and Reviewing in Neuropsychology: Student Workshop, Presented by the INS Student Liaison Committee <i>Location: Galil Room</i> <i>Presenters: Kathleen Haaland, Guy Vingerhoets</i>			
3:15 PM - 3:45 PM	Coffee Break <i>Location: Zion Hall D</i>			
3:45 PM - 5:15 PM	Symposium 5: New Views on Hippocampal Function: Memory and Beyond <i>Location: Zion Hall C</i> <i>Chair: Asaf Gilboa</i> <i>Discussant: Mieke Verfaellie</i>	Paper Session 9: Interventions <i>Location: Zion Hall A</i> <i>Moderator: Ronny Geva</i>	Paper Session 10: Cognitive Neuroscience (A) <i>Location: Zion Hall B</i> <i>Moderator: Simone Shamay-Tsoory</i>	Poster Session 4: Cognitive Neuroscience, Language and Speech Functions, and Medical/Neurological Disorders/Other <i>Location: Zion Hall D and West & North Foyers</i>
5:15 PM - 6:15 PM	INS Awards Ceremony & Business Meeting <i>Location: Zion Ballroom</i> <i>Awards Ceremony Chair: Robert K. Heaton, Business Meeting Chair: Erin D. Bigler</i>			
7:00 PM - 8:30 PM	Optional Meeting Dinner <i>Location: Inbal Hotel Restaurant</i>			

Program Overview

Time **Friday, July 11, 2014**

9:00 AM - 10:00 AM	Keynote: Insights Into Cognition from Intracranial Recordings <i>Location: Zion Ballroom</i> <i>Presenter: Robert T. Knight (Introduction: Leon Deouell)</i>			
10:00 AM - 10:30 AM	Coffee Break <i>Location: Zion Hall D</i>			
10:30 AM - 12:00 PM	Symposium 6: Life-Span Development of Episodic Memory: Neural Correlates and Modifiers <i>Location: Zion Hall C</i> <i>Chair: Naftali Raz</i> <i>Discussant: Ulman Lindenberger</i>	Paper Session 11: Executive Functions <i>Location: Zion Hall A</i> <i>Moderator: Yehuda Pollak</i>	Paper Session 12: Cognitive Neuroscience (B) <i>Location: Zion Hall B</i> <i>Moderator: Roy P. Kessels</i>	Poster Session 5: Assessment/Psychometrics/Methods, Cross Cultural, Drug/Toxin-Related Disorders, Electrophysiology, Forensic Neuropsychology, Demyelinating Disorders, and Psychopathology/Neuropsychiatry <i>Location: Zion Hall D and West & North Foyers</i>
12:00 PM - 1:30 PM	Symposium 7: Creating Accessible Measures for Children with Motor and Communication Impairments <i>Location: Zion Hall C</i> <i>Chair: Tamar Silberg</i>	Paper Session 13: Memory <i>Location: Zion Hall A</i> <i>Moderator: Daniel A. Levy</i>	Paper Session 14: Cognitive and Behavioral Neurology <i>Location: Zion Hall B</i> <i>Moderator: Fofi Constantinidou</i>	

Final Program

International Neuropsychological Society

2014 Mid-Year Meeting

July 9–11, 2014
Jerusalem, Israel

WEDNESDAY, JULY 9, 2014

8:15–9:45 AM

Pre-Meeting CE Workshop A: Evidence-Based Practice and the Use of Reliable Change Methods
Presenter: Gordon J. Chelune
Zion Hall A

1. CHELUNE, GJ

Evidence-Based Practice and the Use of Reliable Change Methods

8:15–9:45 AM

Pre-Meeting CE Workshop B: Hypoxia-Ischaemia, Hippocampal Damage and Memory Impairment: A Causal Hypothesis?
Presenter: Faraneh Vargha-Khadem
Zion Hall B

1. VARGHA-KHADEM, F

Hypoxia-Ischaemia, Hippocampal Damage and Memory Impairment: A Causal Hypothesis?

9:45–10:00 AM

15-Minute Break
On Own

10:00–11:30 AM

Symposium 1: Developmental Differences in Skill Learning: From Basic Science to the Clinic
Chair: Esther Adi-Japha
Zion Hall C

1. ADI-JAPHA, E

Developmental differences in skill learning: From basic science to the clinic

2. ADI-JAPHA, E

Developmental differences in the acquisition of a simple grapho-motor task

3. KARNI, A

The consolidation of a motor skill in children and adults: a developmental matter of critical time

4. FERMAN, S

Children are inferior to adults in acquiring an artificial morphological rule even when afforded supporting learning conditions

5. KISHON-RABIN, L

Learning to hear better: When is age an advantage?

10:00–11:30 AM

Paper Session 1: Assessment
Moderator: Miriam Levay
Zion Hall A

1. GONCALVES, MA

A Systematic Review on WAIS-III: A Special Focus on Acquired Brain Injury

2. HENDRIKS, M

Adaptation of the Wechsler Adult Intelligence Scale - 4th edition (WAIS-IV) for Indonesia

3. KRAUSZ, G

Opening Doors - A BCI-based Tool for Detection of Awareness and for Communication with Non-Responsive Patients

4. TAL SABAN, M

Adolescent and Adults Coordination Questionnaire- AAC-Q: Development and Psychometric Properties

5. OVADIA, D

Neuropsychology as a Tool for a More Ethical Approach to Cognitive Rehabilitation

10:00–11:30 AM**Paper Session 2: Attention**
Moderator: Nachum Soroker
Zion Hall B

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| 1. | MAZOR-KARSENTY, T | Comparing the Executive Attention of Adult Females with ADHD to that of Females with Sensory Modulation Disorder (SMD) under Aversive and Non-Aversive Auditory Conditions |
| 2. | YAAKOBY-ROTEM, S | Asymmetric Attention Networks: The Case Of Children |
| 3. | BLOCH, A | Context Effects in Adults with ADHD: Behavioral and Eye Movement Measures |
| 4. | SZCZEPANOWSKI, R | Attentional Selection Mediates Affective Processing in the Perceptual Crowding Task |
| 5. | ASHKENAZI, S | Domain-specific and domain-general effects on strategy selection in complex arithmetic: evidences from Attention-Deficit Hyperactivity Disorder (ADHD) and normally developed college students |

10:00–11:30 AM**Poster Session 1: Aging, Behavioral Neurology, Cancer, Dementia, and Stroke/Aneurysm**
Zion Hall D and West & North Foyers**Aging**

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|-----|-------------|--|
| 1. | FISHER, T | Aging ADHD: A New Concept |
| 2. | HATTA, T | Developmental Trajectories of Verbal and Visuospatial Abilities in Healthy Older Adults |
| 3. | SHIN, M | A Normative Study of the Korean Version of Memory Diagnostic System (MDS) for Elderly |
| 4. | HANDLE, E | Diagnostic and Evaluative Considerations in Dementia Assessment with an Ethnically Diverse Sample |
| 5. | ZIMERMAN, S | Implicit Motivation Makes the Brain Grow Younger: Improving Executive Functions of Older Adults |
| 6. | ORTIZ, X | Effects of Age on the Components of Attention in Elderly People |
| 7. | IWAHARA, A | Better control of blood pressure in midlife was associated with cognitive function in old age: The Minabe Study in Japan |
| 8. | CONTADOR, I | Effect of Education and Literacy on Cognitive Performance in a Community-Based Sample of non-Demented Spanish Elders |
| 9. | OBLER, LK | Measuring Lexical Retrieval in Older Adults' Discourse |
| 10. | ASGHAR, M | Potential role of grape powder in improving age-related decline in brain and kidney functions |

Behavioral Neurology

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| 11. | ODAGIRI, M | Investigation of the Underpinning Mechanisms of Sequential Object Use Disorder Using Eye-tracking |
| 12. | OLIVEIRA, MA | Comparison of cognitive outcome in patients after cerebellar stroke and cerebellar stroke patients undergone decompressive surgery |
| 13. | MAN, L | Brief social isolation in early adolescence affects cognitive learning and BDNF mRNA in different age rats |

Cancer

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| 14. | MARGELISCH, K | Cognitive deficits in children with cancer before and after treatment |
| 15. | SELA, G | Impact of oncological surgery on neurocognition |
| 16. | MESKAL, I | Cognitive functioning in meningioma patients in preoperative and postoperative stage |
| 17. | LAI, Y | A Case of Recurrent Malignant Parotid Tumor Manifesting Progressive Aphasia as Initial Neuropsychological Symptoms |
| 18. | VAN ZANDVOORT, M | Neuropsychological functioning and survival after awake craniotomy under intra-operative stimulation in malignant appearing primary brain tumors |
| 19. | OLIVEIRA, MA | Cognitive assessment of a patient with insular glioma: case report |
| 20. | OLIVEIRA, MA | Olfactory meningioma: a case of behavioral alterations |

Dementia (Alzheimer's)

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| 21. | KALBI, M | Transcranial Doppler Ultrasonography: A Method of Evaluating Cognitively Impaired and Non-cognitively Impaired Elderly |
| 22. | KIRK, A | What predicts cognitive decline over one year in rural and remote persons with Alzheimer's disease? |
| 23. | ENNOK, M | WAIS-III Qualitative Errors in Patients with Alzheimer's Disease |
| 24. | MANFREDI, V | Non-Pharmacological Approach to Cognitive Decline |
| 25. | VIEIRA, VL | Methodological procedures in clinical rehabilitation of Alzheimer's disease patients |

Dementia (Subcortical, Specific Disorders, MCI, etc.)

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| 26. | CHI, C | Post-surgical Cognitive Changes in Idiopathic Normal Pressure Hydrocephalus: the Recovery Pattern |
| 27. | ZILBRKWIT, D | Bilingualism and Personality as A Form of Cognitive Reserve: The Influence of The Big Five Personality Traits and Command of Multiple Languages on Neuropsychological Performance in Type-2 Diabetic Elderly |
| 28. | BISIACCHI, P | Assessing Inter- And Intra-Individual Cognitive Variability In Patients At Risk For Cognitive Impairment |
| 29. | BEZDICEK, O | The Contribution of the Mattis Dementia Rating Scale to the Diagnosis of Parkinson Disease Mild Cognitive Impairment |
| 30. | JOHANIDESOVÁ, S | Neuropsychiatric and Cognitive Aspects of Creutzfeldt-Jakob Disease |

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| <p>31. CAVACO, S
32. ANDRADE, PA
33. NIKOLAI, T

34. PARENTE, A
35. EK, A
36. MARKOVA, H</p> | <p>Verbal Fluency and Motor Symptoms In Parkinson s Disease: Parallel Paths?
Speech therapy in progressive nonfluent aphasia: A pilot study
Performance in four verbal fluency tests and effect of time on item generation in-non demented elderly
UNUSUAL COGNITIVE FINDINGS IN TEMPORAL LOBE DEGENERATION
Does Ethnicity and Mother Tongue Affect Results on Neuropsychological Tests in MCI?
Specific Questions May Differentiate Between Mild Cognitive Impairment And Subjective Memory Complaints</p> |
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Stroke/Aneurysm

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| <p>37. TOBA, M
38. TOBA, M
39. ARANGO LASPRILLA, JC
40. CAMERON, K</p> | <p>Apathy more than depression seems to interfere with early motor recovery after stroke
Motor symptoms of post-stroke depression
Longitudinal Study of Neuropsychological Changes During the First Year After Stroke
Investigating Appraisal of Disability Post-Stroke: Patient vs. Clinician</p> |
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11:30 AM–12:00 PM

Coffee Break
Zion Hall D

12:00–1:00 PM

Keynote: Neurocognitive Mechanisms of Number Processing and Developmental Dyscalculia
Presenter: Avishai Henik (Introduction: Ora Kofman)
Zion Ballroom

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| <p>1. HENIK, A</p> | <p>Neurocognitive Mechanisms of Number Processing and Developmental Dyscalculia</p> |
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1:00–2:00 PM

Lunch Break
On Own

2:00–3:30 PM

Symposium 2: The Processing of Threat from a Cognitive and Social Perspective
Chair: Delphine Grynberg
Zion Hall C

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| <p>1. GRYNBERG, D
2. GRYNBERG, D
3. PEGNA, AJ
4. MERMILLOD, M
5. VERMEULEN, N</p> | <p>The processing of threat from a cognitive and social perspective
Attentional and automatic processing of facial expressions of pain
Unconscious processing of facial expressions : is it the threat or the relevance that counts ?
The Importance of Low Spatial Frequency Information for Detection of Visual Threats
Desperately Seeking Friends: How Expectation of Punishment Modulates Attention to Angry and Happy Faces</p> |
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2:00–3:30 PM

Paper Session 3: TBI (A)
Moderator: Dan Hoofien
Zion Hall A

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| <p>1. PONSFORD, J
2. GAINES, KD
3. HOOFIEN, D

4. AZOUVI, P
5. JAMES, A</p> | <p>Outcome 2, 5 and 10 years following traumatic brain injury: A prospective study
Executive Functioning of Combat Veterans Diagnosed with Mild Traumatic Brain Injury
Examination of the Long-Term Efficacy of Three Out-Patient Neuropsychological Rehabilitation Programs for Patients with Acquired Brain Injuries
The Dysexecutive Syndrome of Severe Traumatic Brain Injury. The GREFEX Study
Neurobehavioural Predictors of Verbal Aggression, Physical Aggression and Inappropriate Sexual Behaviour After Acquired Brain Injury</p> |
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2:00–3:30 PM

Paper Session 4: Dementia and Aging
Moderator: Richard F. Kaplan
Zion Hall B

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| <p>1. PEREIRA, R
2. KESSELS, RP

3. JANSSEN, M
4. BRANDT, J
5. KAPLAN, RF</p> | <p>Impact of Alzheimer's Disease Related Anosognosia in Caregivers' Quality of Life
Transfer Effects of Online Working-Memory Training in Healthy Older Adults and Mild Cognitive Impairment
Utility of the Montreal Cognitive Assessment and HIV Dementia Scale as Screening Instruments for Cognitive Deficits in HIV-1 Infected Patients
Is Risk-Taking Affected by Deep Brain Stimulation in Parkinson's Disease?
Depression and Hypertension Predict MRI White Matter Hyperintensities in the Normal Elderly</p> |
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2:00–3:30 PM

Poster Session 2: Attention, Autism, Emotion, Epilepsy, Genetics, Laterality, Infectious Disease, Imaging, Learning Disabilities, and Visuospatial Functions
Zion Hall D and West & North Foyers

ADHD/Attentional Functions

1. VAKIL, E
Adults with ADHD Eye Movement Performance on the Stroop Task
2. SUAREZ, IC
Deciphering Interference Control in Adults with ADHD
3. KIMURA, T
Flexibility of attention in real 3D space
4. KONSTANTOPOULOS, K
Sensitivity of the Children Color Trails Test (CCTT) in the Greek-Cypriot children diagnosed with Attention Deficit Hyperactivity Disorder (ADHD)
5. ZIVAN, M
An eye-opener: A study of MPH intervention in ADHD using pupillary responses in young adults
6. SHOHAM, R
Relation between risk taking and ADHD symptoms may be mediated by erroneous decision making and higher benefit perception
7. ISENBERG-BECHAR, D
Effects of ω -3 Long-Chain Polyunsaturated Fatty Acids (LCPUFA) supplementation on emotion and cognitive processing of ADHD children medicated with Methylphenidate - an ongoing study
8. SCHNEIDER, B
Relationships between neuropsychological performance and physician and self-report ratings of ADHD symptoms

Autism Spectrum Disorders

9. SHAUL, R
Asperger Disorder, Theory of Mind, and 2D:4D Digit Ratio as Proxy for Fetal Testosterone Exposure
10. KENETT, YN
The Hyper-Modular Associative Mind: A Computational Analysis of Associative Responses of Persons with Asperger Syndrome
11. SCHWAIGER, E
The Interpersonal Style of Adults with Autism Spectrum Disorder
12. EILON, I
Theory of Mind Impairment and Linguistic Abilities in Autism
13. KLOPPER, F
A Cluster Analysis Exploration of the Characteristics of High-functioning Subgroups Within the Autism Spectrum in Children Aged 5-14 Years

Emotional Processes

14. BALCONI, M
The Empathic Effect on Attentional Mechanisms (Eye-Movements), Cortical Correlates (N200 ERPs) and Autonomic Behavior (EMG) in Emotional Face Processing
15. HILTON, D
Facial and Vocal Affect Recognition in Veterans Assessed for TBI with Polytrauma
16. NAOR, N
When more is less: exaggerated empathy impairs accurate emotion recognition

Epilepsy/Seizures

17. MORENO DE IBARRA, M
Pseudo-Crisis or Convulsive Syndrome? Transdisciplinary Neuropsychologic Assessment
18. GIOVAGNOLI, A
Contribution to Differential Diagnosis. From the Lab to Cognitive Intervention
19. TZUR, M
Different cognitive trends after temporal lobe epilepsy surgery

Genetics/Genetic Disorders

20. EGGER, JI
A large de novo distal 16p11.2 deletion in a patient with normal intelligence: Evidence for a neuropsychological phenotype

Hemispheric Asymmetry/Laterality/Callosal Studies

21. LESHEM, R
Lateralized effects of sad prosody on word processing
22. VINGERHOETS, G
The Effect of Handedness Consistency on Bimanual Coordination: A Behavioural and Electrophysiological Investigation

HIV/AIDS/Infectious Disease

23. WOODS, SP
HIV-Associated Neurocognitive Disorders Affect Resources Allocated to Prospective Memory Versus Ongoing Task Performance
24. LAI, Y
Neuropsychological Manifestations of a 5-Month Follow-Up Case with HIV-Associated PML
25. SCHONFELD, D
The Effects of Bilingualism on Verbal Fluency and Executive Functioning in HIV infected Hispanic Adults

Imaging (Functional)

26. JUNG, J
Research about Patient's Response to Olfactory Stimulations, Brain Response and Pathophysiology in Anosmia Patients Using Olfactometer and 3.0T functional MRI
27. LALONDE, FM
Default Mode Network Differences Between Kallmann Syndrome Patients and Healthy Controls: An fMRI Resting State Study

Imaging (Structural)

28. MÜRNER-LAVANCHY, I
Delay of Cortical Thinning in Very Preterm Born Children

Learning Disabilities/Academic Skills

- 29. LORBER, R Does Methylphenidate (Ritalin) Help Dyslexias with Attentional Bases?
- 30. GABAY, Y Impaired Probabilistic Learning Mechanisms in Developmental Dyslexia
- 31. KAHTA, S Modality Effects on Sequential Learning of Individuals with Developmental Dyslexia (DD): Evidence from Artificial Grammar Learning (AGL) task
- 32. KHENTOV-KRAUS, L Vowel Letter Dyslexia
- 33. YACHINI, M Vowel Letter Dysgraphia

Visuospacial Functions/Neglect/Agnosia

- 34. TOBA, M Neuroanatomy of visuo-spatial neglect: a game-theoretical analysis approach
- 35. SOBANSKA, M Arithmetical operations and numerical surface form: differential effects on multiplication and subtraction
- 36. HIROMITSU, K Tactile extinction depends on the attention to somatosensory input

3:30–5:00 PM

Symposium 3: Latest Developments in the Assessment and Management of People With Disorders of Consciousness

Chair: Barbara A. Wilson

Zion Hall C

- 1. WILSON, BA Latest Developments in the Assessment and Management of People With Disorders of Consciousness
- 2. MURPHY, L Holistic Assessment of People with Disorders of Consciousness: Capturing the Person - Implications for Rehabilitation Therapies and Family Adjustment
- 3. SHIEL, A The WHIM-II: Initial development and piloting
- 4. MORRISSEY, AM Complimentary Use of Neurobehavioural Assessment Scales with Prolonged Disorders of Consciousness
- 5. WILSON, BA Improving the Behavioural Responses of Vegetative and Minimally Conscious Patients Through Changes in Position

3:30–5:00 PM

Paper Session 5: Language

Moderator: Guy Vingerhoets

Zion Hall A

- 1. SCHARFF, C Addiction, Neuroscience and Psychology: Transdisciplinary Approaches Creating Breakthroughs in Addiction Recovery
- 2. ANDELMAN, F THE ROLE OF INFERIOR TEMPORAL GYRUS IN VISUAL LANGUAGE PROCESSING: A DIRECT CORTICAL STIMULATION STUDY
- 3. DOTAN, D Breaking Down Number Syntax: Dissociation Between Naming and Comprehension of Two-Digit Numbers
- 4. GVION, A To Bee or Not to Bea : Two Subtypes of Surface Dysgraphia
- 5. CIVIER, O Reduced Fractional Anisotropy in the Anterior Corpus Callosum Predicts Reduced Speech Fluency in Persistent Developmental Stuttering

3:30–5:00 PM

Paper Session 6: Development and Genetics

Moderator: Sarah Raz

Zion Hall B

- 1. GEVA, R The neonatal biological origins of social difficulties: insights from prematurity
- 2. PETERS, BN Head Growth in the Neonatal Intensive Care Unit and Preschool Neuropsychological Performance
- 3. ROELOFS, R A Comparison of Affective Information Processing in Noonan and Turner Syndromes: Evidence of Alexithymia
- 4. ANAKI, D Factors Underlying Face and Emotion Recognition in Women with Turner Syndrome
- 5. ASBE, MA Temporal Discounting and Strategy Use in School-Aged Children

5:00–5:30 PM

Coffee Break

Zion Hall D

5:30–6:30 PM

Presidential Address: Neuropsychology, Networks and Connectivity

INS President: Erin D. Bigler (Introduction: Eli Vakil)

Zion Ballroom

- 1. BIGLER, ED Neuropsychology, Networks and Connectivity

6:30–7:30 PM

Welcome Reception
Zion West & North Foyers

7:00–8:30 PM

INS-SLC Student Networking Social, Presented by the INS Student Liaison Committee
Hosts: Irene Meier, Moran Gofer Levi
Larommy Balcony (Overlooking the Hotel Pool)

THURSDAY, JULY 10, 2014

9:00–10:00 AM

Keynote: Free Neuronal Associations in the Human Brain
Presenter: Rafi Malach (Introduction: Erin D. Bigler)
Zion Ballroom

1. MALACH, R

Free Neuronal Associations in the Human Brain

9:00–10:30 AM

Neuropsychology Research Training Around the World: Student Professional Development Panel, Presented by the INS Student Liaison Committee
Presenters: Gina Geffen, Michela Balconi, Juan C. Arango Lasprilla, Jennifer J. Manly
Galil Room

10:00–10:30 AM

Coffee Break
Zion Hall D

10:30 AM–12:00 PM

Symposium 4: Have Video Demonstrations of Classic Neurobehavioral Syndromes Advanced Our Understanding of the Neural Substrates of Complex Behavior?
Chair: Kathleen Haaland
Zion Hall C

1. HAALAND, KY
2. BOWERS, D
3. VINGERHOETS, G
4. KNIGHT, RT
5. HAALAND, K

Aphasia and limb apraxia after left hemisphere stroke
 Hemispatial Neglect and Emotion Perception Disorders After Right Hemisphere Lesions
 Typical and atypical lateralization of cognitive functions
 Gazzaniga's Evaluation of Hemispheric asymmetry after Commissurotomy
 Video demonstrations of classic neurobehavioral syndromes. Have they advanced our understanding of the neural substrates of complex behavior?

10:30 AM–12:00 PM

Paper Session 7: TBI (B)
Moderator: Philippe Azouvi
Zion Hall A

1. GAINES, KD
2. AZOUVI, P
3. LIVNY-EZER, A
4. STUDER, M
5. ASARNOW, R

Comparison of Effort Measures, Cognitive Complaints, and Self-reported Neuropsychiatric Symptoms in Blast-Induced Mild TBI
 Ecological Validity of the Dysexecutive Questionnaire: Results from the PariS-TBI study
 Cognitive Deficits Post Traumatic Brain Injury and their Association with Local Functional Connectivity Density in Resting-State
 Serum marker S100B is associated with ongoing cognitive symptoms in children after mild traumatic brain injury and ongoing somatic symptoms in children after orthopedic injuries
 Effects of White Matter Disruption and Restitution in Children on Cognitive impairments and Recovery During the First Year Following Moderate/Severe Traumatic Brain Injury

10:30 AM–12:00 PM

Paper Session 8: Language
Moderator: David Anaki
Zion Hall B

1. PINA RODRIGUES, A
2. REBOLA, J
3. BIRAN, M

Text Reading and Noise Exclusion in Dyslexia
 Word Reading and Noise Exclusion in Dyslexia: Eye Movements and Performance
 The Relations between Treatment Outcome, the Underlying Deficit and the Representation in the Lexical Process: Evidence from Homophones Naming Treatment

4. MESHULAM, M The Cortical Dynamics of Thought: a Data-Driven Analysis of Intracranial Recordings During a Deliberative Task
5. DOTAN, D Phonological Pathways of Speech Production: Lexical Information in Post-Lexical Stages

10:30 AM–12:00 PM

Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/Frontal Lobes, Memory Functions, and TBI *Zion Hall D and West & North Foyers*

Cognitive Intervention/Rehabilitation

1. SIMON, SS Cognitive Psychotherapy in elders with depression and cognitive deficits: a review
2. MARGELISCH, K Impacts of a word-picture training on reading and spelling in Swiss elementary school children
3. WINGBERMÜHLE, E Treatment of Impaired Affective Information Processing and Social Cognition in Neuropsychiatric Patients: A Systematic Review
4. FRIEDMAN, R Telerehabilitation of Anomia in Primary Progressive Aphasia
5. TURON, M Early Neurocognitive Rehabilitation in Intensive Care Unit: Proof of Concept
6. PYASIK, M Description of neuropsychological syndrome of stuttering as a basis for successful neurorehabilitation
7. PYASIK, M Rehabilitation of impaired interactions of brain structures in stuttering

Executive Functions/Frontal Lobes

8. DEV, N Exploring Executive Functioning in Patients with Frontal and Temporal Lobe Epilepsy Using a Novel Ecologically-Valid Virtual Reality Task: The Jansari Assessment of Executive Functions (JEF©)
9. BIELIAUSKAS, L Cognitive Reserve and Executive Dysfunction: Impact on Judgment of Health and Safety in an Inpatient Veteran Population
10. HALLER, M High Gamma Duration in Human Prefrontal Cortex Predicts Decision Time
11. LINKOVSKI, O A call for control: The Relations between Inhibition and Doubt
12. FASOTTI, L Sensitivity of the Everyday Description Task, an ‘Open-Ended’ Script Generation Task, to Anterior Executive Dysfunction
13. JÓDAR, M Cognitive flexibility as a predictor of decision making performance in the Ballon Analogue Risk Task (B.A.R.T)
14. WITKOWSKA, MA What’s So Special About Professional Gamers?

Memory Functions

15. HAMPSON, E Working Memory Impairment During Pregnancy: Association With Antepartum Depression?
16. KATZOFF, A Best Conditions for Declarative Memory: Multiplication Facts as a Model
17. PYASIK, M Selective Involvement of Lingual Gyrus in Working Memory and Perception of Different Types of Visual Stimuli
18. BLACHSTEIN, H Verbal Learning Across the Lifespan: An Analysis of the Components of the Learning Curve
19. ZANNONI, I Impaired Temporal Consciousness and preserved Knowing Consciousness in confabulation and amnesia
20. MARANGONI, S Varieties of confabulations
21. BARBERA, C Confabulation and awareness of memory impairment
22. BRAZZAROLA, M A longitudinal study of confabulation
23. SELA, G The impact of colloid cysts and their treatment on neurocognition
24. PARK, P Impaired recognition of faces encoded by emotional and semantic processes in patients with Parkinson disease
25. SALVADOR, J Some developmental aspects of semantic memory in children: Lessons from a sample of Mexican middle school children
26. LEVY, DA Parietal Lesion Effects on Cued Recall Following Pair Associate Learning
27. BEN-ZVI, S The Brain and the Scale: Lesion Effects on Measures and Indices of the Wechsler Memory Scale
28. BLOCH, A Eye Activated Sequence Learning in Older Populations

TBI (Adult)

29. GOULD, KR A Longitudinal Examination of Positive Changes in Quality of Life After Traumatic Brain Injury
30. ROSENBERG, H Facial Emotion Recognition Deficits following Traumatic Brain Injury: Re-Examining the Valence Effect and the Role of Emotion Intensity
31. ROSENBERG, H Facial Emotion Recognition after Moderate-Severe Traumatic Brain Injury: The Role of Task Difficulty, Injury Severity, and Neuropsychological Functioning
32. GOODEN, JR Self-Awareness of On-Road Driving after Traumatic Brain Injury
33. DYMOWSKI, A Attention and Executive Functioning Following Traumatic Brain Injury
34. GRIMA, NA Characterising Sleep Dysfunction after Traumatic Brain Injury: A Systematic Review of Objective and Self-Report Measures
35. RADO, T Community Neurorehabilitation: The Challenge of Working With Apathy: A Single Case Study
- Design Combining Holistic Neuropsychological Rehabilitation and Methylphenidate to Treat a 55 Year Old Man More Than 3 Years Post Traumatic Brain Injury
36. BALDIVIA, B Brain Injury Family Intervention applicability in a brazilian sample of relatives of Traumatic Brain Injury victims diagnosed with Diffuse Axonal Injury

37. CHAMMAS, F
38. BOGDANOVA, Y
- Contributions of personality assessment in understanding cognitive and affective disorders after TBI
Neuropsychiatric and Functional Status in Veterans with Blast TBI
- TBI (Child)**
39. STARGATT, R
40. TURON VIÑAS, M
41. AL-DIWAN, JK
- Can Reading Delay In Complicated Mild And Moderate Traumatic Brain Injury (TBI) Be Distinguished From Developmental Reading Delay On Neuropsychological Tests?
Assossation between age and Executive Functions and IQ in a TBI pediatric sample
Mental Health Consequences Of Wars And Terrorism In Iraq: A Preliminary Report
- 12:00–12:15 PM**
- 15-Minute Break**
On Own
- 12:15–1:15 PM**
- Keynote, presented by the INS-Satz Award Winner: Confessions of a Serial Mentor and Mentee: Reflections on Collegiality in Research, Teaching and Clinical Practice**
Presenter: Gina Geffen (Introduction: Jennie Ponsford)
Zion Ballroom
1. GEFFEN, G
- Confessions of a Serial Mentor and Mentee: Reflections on Collegiality in Research, Teaching and Clinical Practice
- 1:15–2:15 PM**
- Lunch Break**
On Own
- 2:15–3:15 PM**
- The Herbert Birch Memorial Lecture: Adolescent Brain Development**
Presenter: Eveline Crone (Introduction: Jason Brant)
Zion Ballroom
1. CRONE, E
- Adolescent Brain Development
- 2:30–4:00 PM**
- Publishing and Reviewing in Neuropsychology: Student Workshop, Presented by the INS Student Liaison Committee**
Presenters: Kathleen Haaland, Guy Vingerhoets
Galil Room
- 3:15–3:45 PM**
- Coffee Break**
Zion Hall D
- 3:45–5:15 PM**
- Symposium 5: New Views on Hippocampal Function: Memory and Beyond**
Chair: Asaf Gilboa
Discussant: Mieke Verfaellie
Zion Hall C
1. GILBOA, A
2. RYAN, JD
3. VERFAELLIE, M
4. GILBOA, A
5. LEE, AC
6. ROSENBAUM, R
- New Views on Hippocampal Function: Memory and Beyond
The Contributions of Hippocampal Relational Binding to Ongoing Processing
Cognitive Impairments in MTL Amnesia: Beyond Episodic Memory
The Hippocampus And High Order Conditioning: Implications To Decision-Making And Choice Behaviour
Relating Perceptual Processing To Mnemonic Function In The Medial Temporal Lobe
Dissociations in future thinking following episodic memory loss
- 3:45–5:15 PM**
- Paper Session 9: Interventions**
Moderator: Ronny Geva
Zion Hall A
1. BERTENS, D
2. KIVILIS-MEIRI, N
3. DAVIDOVITCH, S
- Effects of Combining Errorless Learning and Goal Management Training on Daily Executive Functioning after Acquired Brain Injury
Associations Between Family Burden, Daily Functioning and Psychological Reactions Among Patients With Brain Injury, Before and After Out-patient Neuropsychological Rehabilitation
Brooding Regarding Negative Experiences: From an Actor to an Observer Perspective

4. IBARRETXE-BILBAO, N Improving Functional Disability, Depression and Cognition in Parkinson Disease with REHACOP Program
5. SHANY-UR, T Predictors of community integration in acquired brain injury patients undergoing neuropsychological rehabilitation: the role of cognitive abilities and self-reported life satisfaction and mood

3:45–5:15 PM

1. BOTTINI, G
2. TARAGIN, D
3. ZADKA, H
4. AHONNISKI-ASSA, J
5. FRENKEL-TOLEDO, S

Paper Session 10: Cognitive Neuroscience (A)**Moderator: Simone Shamay-Tsoory****Zion Hall B**

- Grasping: from lab to rehab
 Mental Rotation: The Effects of Processing Strategy and Gender on Children's Performance and Eye Movements' Pattern
 Patients with Parkinson's Disease Are Able to Learn in a Probabilistic Feedback-Based Learning Environment When Level of Uncertainty Is Reduced
 Growing up with Acquired Visual Disorientation and Body Schema Disorder: 10 Years of Clinical Observation and Neuropsychological Follow-up
 Dysfunction of the Human Mirror Neuron System in Parietal Ideomotor Apraxia: Evidence from Mu Suppression

3:45–5:15 PM**Poster Session 4: Cognitive Neuroscience, Language and Speech Functions, and Medical/Neurological Disorders/Other****Zion Hall D and West & North Foyers****Cognitive Neuroscience**

1. RANNIKKO, I Changes in verbal learning and memory in schizophrenia and non-psychotic controls in midlife: A nine-year follow-up in the Northern Finland Birth Cohort 1966 study
2. RANNIKKO, I Longitudinal change of verbal and visual learning and memory in midlife in general population sample. A nine-year follow-up in the Northern Finland Birth Cohort 1966 study
3. BALCONI, M Reward Sensitivity, Cognition and Metacognition in Gambling Behavior
4. VANUTELLI, ME Arousal Modulation In Disturb Of Consciousness: How about the Semantic Meaning Process?
5. SEMYONOV, O What You See Is What You Get? Mechanisms of Impaired Emotion Recognition in Developmental Visual Agnosia
6. NAPARSTEK, S A Case Study of Acalculia
7. WAPP, M Cognitive Improvement in Patients with Carotid Artery Disease is Independent of Treatment Type
8. ITOI, C Cognitive traits predict sleepiness during awake surgery
9. IBARRETXE-BILBAO, N The Relationship Between the Uncinate Tract and Verbal and Visual Memory is Mediated by Processing Speed in Parkinson Disease
10. IBARRETXE-BILBAO, N Structural Brain Alterations and Cognitive Disturbances in Parkinson's Disease Patients with Impaired Processing Speed
11. RIVOLTA, D Multi-voxel pattern analysis (MVPA) of fMRI data reveals aberrant face-discriminant ability in people with congenital prosopagnosia
12. SALNER, N Spatial Attention Affects Letter Position Errors in Reading in Short Exposure
13. AREND, I Dissociating Emotion and Attention Functions in the Pulvinar Nucleus of the Thalamus

Language and Speech Functions/Aphasia

14. NEUMANN-WERTH, Y An Electrophysiological Investigation of the Lateral Anterior Positivity: Clinical Implications
15. FRIEDMANN, N Anomia in the phonological output lexicon: another source for Surface dyslexia
16. CHERNEY, LR Transcranial Direct Current Stimulation: A Pilot Study of Anodal, Cathodal and Sham Stimulation in Aphasia
17. CHERNEY, LR Computer-Directed Sentence-Level Writing Treatment for Persons with Chronic Aphasia
18. KISELEV, S Investigation of brain holistic mechanism in Russian-speaking children with weakness in grammar understanding
19. VÁZQUEZ DE SEBASTIÁN, J Efficacy of the Spanish Version of the Constraint-Induced Aphasia Therapy in Post-Stroke Aphasia
20. LEIVA MADUEÑO, I Beyond Language: Melodic Intonation Therapy Improves Communication, Behaviour and Quality of Life in Subacute and Early Chronic Post-Stroke Aphasia
21. TRINCZER, IL Who Moved the Middle? Effect of Reading Direction and Morphology on Visual Perception of Written Words
22. CAWRON, N Narrative Discourse in Individuals with Subcortical Ischaemic Vascular Dementia (SIVD)
23. GUGGENHEIM, R Previously Undescribed Type of Developmental Phonological Dyslexia
24. BALABAN, N Brain Damage, Theory of Mind and Language
25. BEN-DAVID, BM A New Tool for Assessing Impairments of Identification of Emotions in Spoken Language Following Traumatic Brain Injury - the Test of Rating of Emotions in Speech (T-RES)
26. YACHINI, M Dyslexia & SLI: A Double Dissociation

Medical/Neurological Disorders/Other (Adult)

- 27. HARCIAREK, M Defective performance on Trail Making Test in adequately hemodialyzed patients: A general slowing or an executive phenomenon?
- 28. ZURAWEL, M The Effect of Surgery, Surgery Type and Cognitive Reserve on Neuropsychological Outcome after STN DBS Surgery in Parkinson Disease Patients
- 29. RUIS, C Awake craniotomy and coaching
- 30. TAL SABAN, M Participation Profile of Young Adults with Developmental Coordination Disorder (DCD)
- 31. CAVACO, S Cognitive Functioning in Acquired Hepatocerebral Degeneration
- 32. NORDLUND, A Frequent Mild Cognitive Deficits in Several Functional Domains in Elderly Patients with Heart Failure without Known Cognitive Disorders

Medical/Neurological Disorders/Other (Child)

- 33. MARYNIAK, A Pure alexia in a teenage girl after the removal of a large astrocytoma in the third ventricle and the left lateral ventricle
- 34. MARYNIAK, A Are children with pilocytic astrocytoma in the cerebellum especially intelligent?
- 35. YANG, C Improvement of Verbal Ability Correlated With Increased Left Temporal Perfusion Following Encephaloduroarteriosynangiosis in Pediatric Patients with Moyamoya Disease
- 36. HAIN, L Relationship between Neonatal Hypoxia-Periventricular Leukomalacia and Neuropsychological Sequelae
- 37. PIERCY, J Neuropsychological Functioning and Linear Growth in Very Preterm-Born Preschoolers
- 38. CHISHOLM, AK Intellectual, Academic and Psychosocial Functioning in School-Aged Children with Oesophageal Atresia
- 39. HAKKARAINEN, E Arithmetic Fluency in Youth with Cerebral Palsy
- 40. SUDIKOFF, EL Electrophysiological Evidence of Attentional Network Disruptions in Children with Neurofibromatosis Type 1

5:15–6:15 PM

INS Awards Ceremony & Business Meeting
Awards Ceremony Chair: Robert K. Heaton
Business Meeting Chair: Erin D. Bigler
Zion Ballroom

7:00–8:30 PM

Optional Meeting Dinner
Inbal Hotel Restaurant

FRIDAY, JULY 11, 2014**9:00–10:00 AM**

Keynote: Insights Into Cognition from Intracranial Recordings
Presenter: Robert T. Knight (Introduction: Leon Deouell)
Zion Ballroom

- 1. KNIGHT, RT Insights Into Cognition from Intracranial Recordings

10:00–10:30 AM

Coffee Break
Zion Hall D

10:30 AM–12:00 PM

Symposium 6: Life-Span Development of Episodic Memory: Neural Correlates and Modifiers
Chair: Naftali Raz
Discussant: Ulman Lindenberger
Zion Hall C

- 1. RAZ, N Life-Span Development of Episodic Memory: Neural Correlates and Modifiers
- 2. OFEN, N Development of Episodic Memory in Children and Young Adults
- 3. RAZ, N Linking age-related changes in brain “hardware” and memory: why is it so hard?
- 4. LINDENBERGER, U Discussant’s statement
- 5. DUZEL, E Motivational regulation of episodic memory consolidation in older adults
- 6. BÄCKMAN, L Dopamine and Episodic Memory

10:30 AM–12:00 PM**Paper Session 11: Executive Functions****Moderator: Yehuda Pollak*****Zion Hall A***

1. JANSARI, A C'est Ma Fête! Can A French Adaptation Of A Virtual Reality Assessment Of Children's Executive Functions (JEF-C®) Work And Be Used With Paediatric Patients With Acquired Brain Injury?
2. MOTA, N Action Decision in Moral Dilemma Vary With Deliberated Self-Control Among Healthy Female University Students: A Preliminary Study
3. HELED, E Executive Functions among Current and Recovered Anorexia Nervosa Patients: Quantitative and Qualitative Analyses
4. LAZER, SC Differentiation Between "Cold" and "Hot" Executive Functions in Eating Disorders: Implications for Intervention

10:30 AM–12:00 PM**Paper Session 12: Cognitive Neuroscience (B)****Moderator: Roy P. Kessels*****Zion Hall B***

1. MAYSELESS, N Modulating creativity by altering the balance between right and left inferior frontal gyrus with tDCS
2. SHABI, A The Effects of Chronic Sleep Loss on Information Processing Speed and Subsequent Effects on Other Cognitive Abilities in Adolescents
3. HILLARY, FG Hyperconnectivity in brain networks as a marker of recovery following traumatic brain injury
4. RAJTMAJER, S Modeling plasticity in brain networks after neurological disruption: a critique of connectivity modeling approaches
5. RAZ, N Beyond the Eye - Behavioral and Cortical Assessment in Posterior Cortical Atrophy (PCA)

10:30 AM–12:00 PM**Poster Session 5: Assessment/Psychometrics/Methods, Cross Cultural, Drug/Toxin-Related Disorders, Electrophysiology, Forensic Neuropsychology, Demyelinating Disorders, and Psychopathology/Neuropsychiatry*****Zion Hall D and West & North Foyers*****Assessment/Psychometrics/Methods (Adult)**

1. AXELROD, BN Using Finger Tapping as a Measure of Performance Validity
2. BOUMAN, Z Validation of the Dutch version of the Wechsler Memory Scale – Fourth Edition in patients with Temporal Lobe Epilepsy
3. IBARRETXE-BILBAO, N Validation and Normalized Data for the M-WCST (NORMACOG Project) in Spanish Population
4. IBARRETXE-BILBAO, N Comparison of the Verbal Fluency Performance with letter P and Letter L in a Spanish Sample
5. BOLCEKOVA, E The Bicycle Drawing Test: A Useful Method for Assessing Visuospatial and Executive Functions
6. LOJEK, E The Value of the Activity in Coping and Positive Attitude Scale in the Assessment of Depression in Healthy Persons, Brain Damaged Individuals and Patients with Major Depression
7. RIOS-LAGO, M Construct Validity Of The Stroop Colour-Word Test: Influence Of Speed Of Information Processing, Verbal Fluency, Perceptual Interference, Motor Inhibition, Cognitive Flexibility, And Working Memory
8. BOYCHEVA, EL Clinical Validity of The Spanish Version of Mattis Dementia Rating Scale in Patients with Mild Alzheimer's Disease and Mild Cognitive Impairment
9. ASANO, K Word Retrieval Process Analyzed by Clustering and Switching Components in Phonemic Verbal Fluency Test by Japanese with Parkinson's Disease
10. CALDERÓN CHAGUALÁ, JA Neuropsychological Profile of tolimenses Athlete
11. MICHALEC, J Validity of the Tower of London Task for Detection of Planning Impairment in Patients with Parkinson Disease Mild Cognitive Impairment

Assessment/Psychometrics/Methods (Child)

12. KONSTANTOPOULOS, K Sensitivity of the Children Color Trails Test (CCTT) in bilingual Cypriot children
13. MORENO DE IBARRA, M Neuropsychological Functioning of Children with Attention Deficit Hyperactivity Disorder, with High Functioning Autism and Without Diagnosis. From Research to Intervention
14. GUEDES, DZ Neuropsychological screening and assessment in Brazilian infants under risk conditions
15. OLIVEIRA, RM Normative data for Brazilian children on the RAVLT, Verbal Fluency and Stroop paradigms
16. OLIVEIRA, RM Evidence of reliability on the RAVLT, Verbal Fluency and Stroop Paradigms applied to Brazilian children

Cross Cultural

17. KOTIK-FRIEDGUT, B Cultural Neuropsychology: Roots and New Branches
18. CARACUEL, A Prevalence of Perceived Ethical Misconduct: A National Survey of Neuropsychology Professionals in Spain
19. RIVERA, D Prevalence of Perceived Ethical Misconduct: An International Survey of Neuropsychology Professionals across Latin America

20. ARANGO LASPRILLA, JC A National Survey of the Neuropsychology Professionals in Latin America
 21. PERRIN, PB A National Survey of the Neuropsychology Professionals in Spain
- Drug/Toxin-Related Disorders (Including Alcoholism)**
22. AMBROZIAK, AR Subjective Well-Being in Drug Addicted Patients: Indications for Neuropsychologists
 23. SANTA MARIA, MP Cognitive Intra-Individual Variability Predicts Historical Lead Exposure but Academic Intra-Individual Variability Does Not
- Electrophysiology/EEG/ERP**
24. ERLBECK, H Effects of Attentional Modulation on the Mismatch Negativity (MMN) in a Single vs. Multifeature Oddball
 25. SOLLFRANK, T Effects of 3D Visualisation Modalities on Motor Related Potentials
 26. SHEVTSOVA, T Dual-Tasks as an Approach to Estimation of Functional Capacity under Information Loads in Patients with Traumatic Brain Injury and Healthy Persons
 27. ANDERSSON, S Sensory Evoked Potential Modulation – an Index of LTP-like Stimulus-Specific Neocortical Plasticity?
 28. JANG, S The effect of hypersonic wave sound for EEG
- Epilepsy/Seizures**
29. KRAMSKA, L Cognitive performance in patients with psychogenic non-epileptic seizures
- Stroke/Aneurysm**
30. KRAMSKA, L Assessment of cognitive decline in patients treated for cerebral aneurysm using Czech Reading Test
- Forensic Neuropsychology**
31. WILLSON, P The Utility of MMSE as a Predictor of Real-Life Testamentary Capacity
 32. STARZA-SMITH, A Neuropsychological Risk Factors for Offending in Children/Adolescents Post Acquired Brain Injury (ABI): Two Case Studies - Pyromania and Sexual Disinhibition
 33. DAMRY, T A Novel Symptom Validity Test (SVT) Based on the Delis Kaplan Executive Function System (D-KEFS) Card Sorting Test
- Multiple Sclerosis/ALS/Demyelinating Disorders**
34. IBARRETXE-BILBAO, N Cognitive Impairment and Brain Structural Alterations in Multiple Sclerosis Patients
- Psychopathology/Neuropsychiatry (Other)**
35. HELED, E Extreme “Fragmented Perception” in the ROCFT - A Neuropsychological Case Study of Patient with Anorexia Nervosa
 36. LICHTENSTEIN-VIDNE, L Distracting Stimuli and Affective Disorders: The Interactive Relationship between Task- Relevance, Anxiety and Depression
 37. GERTNER, L When personality meets memory
- Psychopathology/Neuropsychiatry (Schizophrenia)**
38. TOBA, M Deductive reasoning in schizophrenia
 39. TOBA, M Theory of mind kind of humor understanding seems to be specifically altered in schizophrenia
 40. FERNANDEZ-GONZALO, S A New Social and Non-Social Cognitive Rehabilitation Computerized Program for Schizophrenia/ Schizoaffective Disorders in Early Stages: Preliminary Efficacy Results and Maintenance at 3months Follow-up

12:00–1:30 PM**Symposium 7: Creating Accessible Measures for Children with Motor and Communication Impairments****Chair: Tamar Silberg*****Zion Hall C***

1. SILBERG, T Creating Accessible Measures for Children with Motor and Communication Impairments
 2. WARSCHAUSKY, S Studying the psychometric properties of alternative and modified accessible cognitive assessment instruments
 3. KAUFMAN, J Accessible assessment of auditory and visual working memory in children with cerebral palsy
 4. AHONNISKA-ASSA, J Using Eye-tracking Technology in Assessing Cognitive Functioning among Girls with Severe Motor and Communication Limitations
 5. GOFER-LEVI, M What can implicit measures tell us about learning abilities among children with Cerebral Palsy (CP)?

12:00–1:30 PM**Paper Session 13: Memory****Moderator: Daniel A. Levy*****Zion Hall A***

1. PERTZOV, Y Remembering What Was Where, From Cognitive Mechanisms to the Clinic

- | | | |
|----|--------------|--|
| 2. | BLOCH, A | Motor and Non Motor Sequence Learning in People with Spinal Cord Injury |
| 3. | ALTGASSEN, M | Executive Control Load Affects Prospective Memory Performance in Individuals with Korsakoff Syndrome |
| 4. | STANILOIU, A | Chronic Functional Amnesia after Anesthesia |
| 5. | BREZIS, RS | Neural Correlates of Self-related Memory in Youth with Autism Spectrum Conditions |

12:00–1:30 PM

Paper Session 14: Cognitive and Behavioral Neurology

Moderator: Fofi Constantinidou

Zion Hall B

- | | | |
|----|-------------------|---|
| 1. | GEFFEN, G | Maladaptive Neuroplasticity Reversal By Multidisciplinary Intervention: A Case Study Of Complex Regional Pain Syndrome (CRPS) |
| 2. | CONSTANTINIDOU, F | Benign Rolandic Epilepsy and memory performance in elementary school-age children: Not so “benign” after all? |
| 3. | EVANS, J | Understanding and Assessing Dual-tasking Deficits in People with Multiple Sclerosis (PWMS) |
| 4. | HUENGES WAJER, I | Relationship between CT-perfusion on admission and cognitive functioning 3 months after aneurysmal subarachnoid hemorrhage |
| 5. | MENESES, RF | Quality of life in epilepsy across time: Does it change? Why (not)? |

Author Disclosures

The International Neuropsychological Society requires all presenters to disclose to the audience any significant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in an educational presentation and with any commercial supporters of the activity. The intent of this disclosure is not to prevent a speaker with a significant financial or other relationship from making a presentation, but rather to provide listeners with information on which they can make their own judgments. It remains for the audience to determine whether speaker interests or relationships unduly influence a presentation with regard to exposition or conclusion.

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WEDNESDAY JULY 9, 2014

10:00–11:30 AM Paper Session 1: Assessment

- #1. MARTA GONCALVES. A Systematic Review on WAIS-III: A Special Focus on Acquired Brain Injury.
The author wishes to disclose receipt of a doctoral scholarship from the Fundacao Ciencia e Tecnologia (FCT) SFRH/BD/68842/2010.
- #3. GUNTHER KRAUSZ. Opening Doors - A BCI-based Tool for Detection of Awareness and for Communication with Non-Responsive Patients.
Guger Technologies, a commercial company providing equipment and software for biosignal research but also an active member or partner in several international research projects, is an active member of the DECODER project (EU research project) which supported this research (<http://www.decoderproject.eu/>).

10:00–11:30 AM Poster Session 1: Aging, Behavioral Neurology, Cancer, Dementia, and Stroke/Aneurysm

- #14. KATJA MARGELISCH. Cognitive deficits in children with cancer before and after treatment.
This research was supported by funding from the Beatrice Borer Foundation for Cancer Research (Switzerland).
- #25. VERA VIEIRA. Methodological procedures in clinical rehabilitation of Alzheimer's disease patients.
This research was supported by funding from the AFIP and FAPESP-Apoi bodies of research at the Federal University of São Paulo.

3:30–5:00 PM Symposium 3: Latest Developments in the Assessment and Management of People With Disorders of Consciousness

- #1, 3. BARBARA WILSON, AGNES SHIEL. Latest Developments in the Assessment and Management of People With Disorders of Consciousness.
Two of the authors, Agnes Shiel and Barbara Wilson, receive royalties from Pearson Assessment UK for one of the tests mentioned in this presentation.

3:30–5:00 PM Paper Session 5: Language

- #1. CONSTANCE SCHARFF. Addiction, Neuroscience and Psychology: Transdisciplinary Approaches Creating Breakthroughs in Addiction Recovery
The author is employed by Cliffside Malibu, a for-profit treatment center that has implemented and is using the treatment protocol discussed. The author is a salaried employee and receives no money in the form of royalties or other compensation from the coauthored book (100% of the proceeds go to charity) or from speaking engagements. The author also wishes to disclose that travel support for this presentation was provided by Cliffside Malibu.

FRIDAY JULY 11, 2014

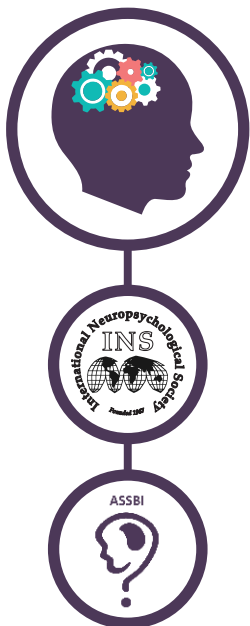
9:00–10:00 AM Keynote Presentation: Insights Into Cognition from Intracranial Recordings

1. ROBERT KNIGHT.
The author wishes to disclose that this research was supported by an unrestricted research gift from the Nielsen Corporation, for which he is the Chief Science Advisor in the area of neuromarketing. The author's own research and this presentation contains no neuromarketing.

10:30 AM–12:00 PM Poster Session 5: Assessment/Psychometrics/Methods, Cross Cultural, Drug/Toxin-Related Disorders, Electrophysiology, Forensic Neuropsychology, Demyelinating Disorders, and Psychopathology/Neuropsychiatry

6. EMILIA LOJEK. The Value of the Activity in Coping and Positive Attitude Scale in the Assessment of Depression in Healthy Persons, Brain Damaged Individuals and Patients with Major Depression.
This research was supported by funding from the Laboratory of Psychological Tests and the Polish Psychological Association. The LPT has supported the normalization study described in the presentation. Coauthor Joanna Stanczak is employed in the LPT and her participation in the INS Meeting has been supported by the LPT.
10. José Calderón Chagualá. Neuropsychological Profile of tolimenses Athlete.
This research was supported by funding from the Universidad Antonio Nariño.
28. SEOK WOO JANG. The effect of hypersonic wave sound for EEG.
This research was supported by funding from Inochip Technology Ltd. (Korea).

Notes



5th INS/ASSBI Pacific Rim Conference Sydney 2015

*"Implementing knowledge to
improve outcomes"*

Wed 1st July – Sat 4th July 2015

Sofitel Sydney Wentworth,
Sydney, NSW, Australia



Speakers giving Keynote Addresses include:

Professor Leanne Carey (AUS)
Professor Terrie Inder (USA)
Professor John Hodges (UK)
A/Professor Tamara Ownsworth (AUS)
A/Professor Angelle Sander (USA)
Professor Mark Sherer (USA)
Dr Ann Watts (South Africa)

Speakers giving pre-conference Workshops on 1st July include:

Professor Leanne Carey (AUS)
Professor Terrie Inder (USA)
A/Professor Angelle Sander (USA)
Professor Mark Sherer (USA)
Dr Raul Gonzalez (USA)
Professor Jan Copeland (AUS)

Also featuring:

Breakfast workshops
Symposia on
Errorless learning
Brain Development
Social cognition in dementia and evidence-based practice

DATES FOR DIARY

- Call for Abstracts will be sent out by email in September 2014
- Deadline for abstracts: 25th January 2015
- Provisional program and registration will be available from 1st January 2015
- Early bird will close at midnight on Sunday 31st May 2015
- Conference registrations will close at midnight on Wednesday 24th June 2015

Convenor: Professor
Jennie Ponsford

CONTACT

To be put on the email list for an invitation contact Margaret at admin@assbi.com.au
For information on the conference as it becomes available go to www.assbi.com.au

43rd Annual Meeting

February 4-7, 2015

Hyatt Regency Denver
Denver, Colorado, USA



Networks, Connectivity, and Neuropsychology

INTERNATIONAL
NEUROPSYCHOLOGICAL
SOCIETY



2015 Annual Meeting

Denver, Colorado

INS President: Erin D. Bigler
Program Chair: Derin J. Cobia
CE Chair: Raul Gonzalez

Recent and exciting developments in understanding the integrative and dynamic processes of the brain have inspired the theme for the 2015 Annual Meeting in Denver. In keeping with our theme, we particularly welcome individual or thematic symposium submissions that utilize imaging or other innovative methodologies to investigate the neural substrates of cognition and behavior, and how these substrates are organized and unified within the brain. As always, we welcome submissions that offer new insights into the cognitive and affective neuroscience of healthy and disease states, innovations in psychological measurement, and state of the art treatment and rehabilitation approaches. Framed by the Rocky Mountains, "The Mile High City" is a vibrant location combining culture with the majestic outdoors. We hope you will join us there for an exciting program featuring many renowned speakers presenting on a broad array of topics relevant to neuropsychology. We look forward to seeing you in Denver!

Among our Keynote Speakers: **Erin D. Bigler, PhD**, INS president; **Michael S. Gazzaniga, PhD**, a pioneer and leader in cognitive neuroscience, connectivity, and cerebral lateralization; **Deanna Barch, PhD**, a leading neuroscience researcher engaged in the Human Connectome Project and its relevance for cognitive neuropsychology; **Marco Catani, MD**, a neuropsychiatrist who is a leader in the study of white matter connectivity and its application in the study of neuropsychological disorders; and the Birch Lecture by **Deborah Fein, PhD**, on current neuropsychological advances in autism research. Invited symposia will include the impact of marijuana use on brain development, SuperAging, functional networks related to cognition, and cross-cultural issues. We will also have a special symposium celebrating the life, work and contributions of Norman Geschwind, MD, with presentations made by former trainees.

Invited Symposia Chairs Include: **Jessica Andrews-Hanna, PhD**, University of Colorado, Boulder; **Deborah Yurgelun-Todd, PhD**, University of Utah; and **Emily Rogalski, PhD**, Northwestern University. *More highlights to come!*

Call for Abstracts

Submission open **June 9**
until **August 30, 2014**

Submit online now!

ins2015.abstractcentral.com

For the latest meeting updates, visit www.the-ins.org