

## Congress Agenda

Friday, September 11

0800 - 1700	<b>International Neuromodulation Society &amp; Korean Neuromodulation Society Congress Registration</b> Convention Center Lobby – 4th Floor
1240 - 1800	<b>Korean Neuromodulation Society Scientific Meeting</b> Emerald Hall – Convention Center - 3rd Floor
1240 - 1250	<b>Welcome Address</b> Uhn Lee (President of Korean Neuromodulation Society)
1250 - 1300	<b>Congratulatory Remark</b> Elliot Krames (President of International Neuromodulation Society)
1300 - 1440	<b>Session I: Neuropathic Pain</b> Moderators: Sung Ho Kim (Young Nam Univ.) & Doo Ik Lee (Inha Univ.) <b>1300 - 1325</b> <b>Medical Management of Neuropathic Pain</b> Seung Min Kim (Yonsei Univ.) <b>1325 - 1350</b> <b>Diagnosis &amp; Disability Determination in CRPS: Past &amp; Present</b> Chan Kim (Ajou Univ.) <b>1350 - 1415</b> <b>Current Techniques of Spinal Cord Stimulation</b> Byung Chul Son (Catholic Univ.) <b>1415 - 1440</b> <b>Intrathecal Pump for Pain</b> Yong Chul Kim (Seoul National Univ.)
1440 - 1555	<b>Session II: Neuromodulatory Rehabilitation</b> Moderators: Yun-Hee Kim (Sungkyunkwan Univ.) & Ju Kang Lee (Gachon Univ.) <b>1440 - 1505</b> <b>Updates on Current Hearing Rehabilitation</b> Jae Young Choi (Yonsei Univ.) <b>1505- 1530</b> <b>rTMS, tDCS for Motor Recovery and Cognitive Rehabilitation</b> Myoung-Hwan Ko (Chonbuk National Univ.) <b>1530 - 1555</b> <b>Direct Cortical Stimulation for Motor Recovery</b> Yong-Il Shin (Wonkwang Univ.)
1555 - 1620	<b>- COFFEE BREAK -</b>
1620 - 1800	<b>Session III: Update of Neuromodulation</b> Moderators: Chong Sik Lee (Ulsan Univ.) & Yoonkey Nam (KAIST) <b>1620 - 1645</b> <b>Bionic Research in Korea</b> Kuiwon Choi (KIST) <b>1645 - 1710</b> <b>Superdog: BMI using Companion Dog</b> Hyung Chul Shin (Hanlim Univ.) <b>1710 - 1735</b> <b>Current Development of Neural Prosthesis</b> Sung June Kim (Seoul National Univ.) <b>1735 - 1800</b> <b>What is the Future of Neuromodulation Therapy?</b> Uhn Lee (Gachon Univ.)
1800	<b>Closing Remarks and Adjourn</b>

**1900 - 2100** **INS 9th World Congress Opening Reception**  
Exhibition Hall - Convention Center - 4th Floor  
*Please join us!*

Saturday, September 12

0700 - 0800

- CONTINENTAL BREAKFAST IN EXHIBITION HALL -

0800 - 0900

Plenary Room Convention Hall A - 4 <sup>th</sup> Floor	Symposium Room Convention Hall B - 4 <sup>th</sup> Floor
<b>Welcome Addresses</b> Elliot Krames, MD, Simon Thomson, MBBS, FRCA, FIPP, FFPMRCA, Jung-Kyo Lee, MD, PhD, Uhn Lee, MD, Jin Woo Chang, MD, PhD	
<b>Plenary: Brain Neuromodulation</b> Moderators: Jin Woo Chang, MD, PhD & Bart Nuttin, MD, PhD	<b>Symposium: Motor Cortex Stimulation: New Uses</b> Moderator: Brian Kopell, MD
<b>0900 - 0920</b> Imaging/Device to Improve DBS Outcome Kendall Lee, MD	<b>0900 - 0920</b> Computer Modeling of Cortical Stimulation Jan Buitenweg, PhD
<b>0920 - 0940</b> Deep Brain Stimulation for Various Forms of Dystonia Jin Woo Chang, MD, PhD	<b>0920 - 0940</b> Motor Cortex Stimulation for Depression and Other Psychiatric Disorders Brian Kopell, MD
<b>0940 - 1000</b> Deep Brain Stimulation for Cluster Headache Angelo Franzini, MD	<b>0940 - 1000</b> Is there a Future for MCS for Stroke Motor Recovery? Robert Levy, MD, PhD

1000 - 1020

- COFFEE BREAK IN THE EXHIBITION HALL -

1020 - 1200

<b>Plenary: Brain Neuromodulation, continued</b>	<b>Symposium: Peripheral Subcutaneous Field Stimulation (PSFS)</b> Moderator: Giancarlo Barolat, MD
<b>1020 - 1040</b> Deep Brain Stimulation for Psychological Disorders - Bart Nuttin, MD, PhD	<b>1020 - 1040</b> PSFS for Chronic Pain - Teodor Goroszeniuk, MD
<b>1040 - 1100</b> Cognition and Mood in STN versus DBS for PD: Lessons From the COMPARE Trial - Michael Okun, MD	<b>1040 - 1100</b> PSFS for Axial Pain - Paul Verrills, MD
<b>1100 - 1210</b> <i>Brain Open Papers</i> Moderators: Guoming Luan, MD	<b>1100 - 1120</b> Spinal Cord Stimulation and PSFS Combination Stimulation for Low Back Pain - Elliot Krames, MD
<b>1100-1110</b> Surgically Implanted Electrodes of the Auditory cortex as a Treatment for Tinnitus Dirk DeRidder, MD, PhD	<b>1130 - 1200</b> <b>Boston Scientific Presentation</b>
<b>1110-1120</b> Dopamine Dysregulation Syndrome with I-Dopa Reduction after STN-DBS Chikashi Fukaya, MD	<b>Neuromodulation: Technology Addressing Clinical Challenges</b>  Presented by: Ljubomir Manola, PhD, and Dongchul Lee, PhD
<b>1120-1130</b> Intracranial Transplant of Olfactory Ensheathing Cells in Children and Adolescent with Cerebral Palsy: A Random Controlled Clinical Trial Chen Lin, MD	
<b>1130-1140</b> Cognitive Outcome of Bilateral Subthalamic Deep Brain Stimulation in Parkinson's Disease With and Without Mild Cognitive Impairment Alex Troster	
<b>1140-1150</b> Repetitive Transcranial Magnetic Stimulation (rTMS) for Neuropathic Pain Youchi Saitoh, MD	
<b>1150-1200</b> Prolonged Cortical Stimulation in Large Sensorimotor Cortical Infarct Model Yong Il Shin, MD	
<b>1200-1210</b> Revision of deep brain stimulation electrodes: A Single Center Experience Jaesung Park, MD	

1200 - 1300

- LUNCH IS SERVED IN CONVENTION CENTER - FIRST FLOOR -

1300 - 1440

Plenary Room Convention Hall A - 4 <sup>th</sup> Floor	Symposium Room Convention Hall B - 4 <sup>th</sup> Floor
<b>Plenary: Pain</b> Moderators: Sang Chul Lee, MD, PhD & Professor Paolo Paoli, MD	<b>Symposium: Deep Brain Stimulation for Psychiatric Disorders and Depression</b> Moderator: Bart Nuttin, MD, PhD
<b>1300 - 1320</b> Peripheral Subcutaneous Field Stimulation Giancarlo Barolat, MD	<b>1300 - 1320</b> Deep brain stimulation for obsessive-compulsive disorder Bart Nuttin, MD, PhD

Saturday, September 12, *continued*

	Plenary Room Convention Hall A - 4 <sup>th</sup> Floor	Symposium Room Convention Hall B - 4 <sup>th</sup> Floor
<b>1320-1440</b>	Plenary: Pain, continued	Symposium: Deep Brain Stimulation for Psychiatric Disorders and Depression, continued
	1320 - 1340 Occipital Nerve Stimulation for Headache Richard Weiner, MD	1320 - 1340 Electrical stimulation of other brain regions than Brodmann area 25 for major depression Bart Nuttin, MD, PhD
	1340 - 1400 Radiofrequency Techniques for Pain Jung Yul Park, MD, PhD	1340 - 1400 Target the Brodmann Area 25 Clement Hamani, MD
	1400 - 1420 Interventional Management of Complex Regional Pain Syndrome Dong Eon Moon, MD	
	1420 - 1440 Current Medical Management for Neuropathic Pain Kee Duk Park, MD	

1440 - 1500

- COFFEE BREAK IN THE EXHIBITION HALL -

1500 - 1600

<b>1500 - 1600</b>	Plenary: Pain, continued	<i>Brain Free Talks</i> Moderators: Uhn Lee, MD, PhD & Mario Meglio, MD
	1500 - 1520 The Efficacy of Neurostimulation in Failed Back Surgery Patients (PROCESS Study) Krishna Kumar, MD, FRCS 1520 - 1540 Cost Benefit of Spinal Cord Stimulation Richard North, MD 1540 - 1600 S.A.F.E. Principles Elliot Krames, MD	1500 - 1510 Prevention and Treatment of Cerebral Vasospasm Following Subarachnoid Hemorrhage with Cervical Spinal Cord Stimulation - Konstatin Slavin, MD 1510 - 1520 Pallidal DBS in a Child with Lesch Nyhan Syndrome Produces Rapid Symptomatic Improvement Konstatin Slavin, MD 1520 - 1530 Brain Penetration Effects of Microelectrodes and DBS Leads in Ventral Intermediate Nucleus (Vim) Stimulation for Essential Tremor - Takashi Morishita, MD 1530 - 1540 Should we Go Back to Vim Thalamic DBS for Cases of Severe Refractory Dystonic Tremor Takashi Morishita, MD 1540 - 1550 The Ratio of STN/SN Neuronal Activity, a Quantitative Biomarker for PD Progression - Chris Kao, MD 1550 - 1600 Is MRI a Reliable Tool to Locate the Electrode after Deep Brain Stimulation (DBS) Surgery? Comparison Study of CT and MRI for the Localization of Electrodes after DBS Jung-Kyo Lee, MD, PhD

1600 - 1700

<b>1600 - 1700</b>	<i>Pain Free Talks</i> Moderators: Fabian Piedimonte, MD & Chan Kim, MD  1600 - 1610 Theoretically 'Best' Electrode Configurations in SCS for Chronic Back Pain and Clinical Experience: Do they Match? Preliminary Results of a Prospective Study. Wim Duyvendak, MD 1610 - 1620 Permanent implantation of Brachial Plexus Stimulator: A Case Series Teodor Goroszeniuk, MD 1620 - 1630 Peripheral Subcutaneous Field Stimulation vs. Sacral Nerve Root Stimulation in the Management of Refractory Coccygodynia. (Preliminary report) Adnan Al-Kaisy, MD 1630 - 1640 Use of the S.A.F.E. Principles to Evaluate Pain Therapies Elliot Krames, MD 1640 - 1650 In-depth Analysis of the Improvement in Pain, Function and Quality of Life in Patients with Failed Back Surgery Syndrome (FBSS) Following Spinal Cord Stimulation (SCS) and Conventional Medical Management (CMM) Krishna Kumar, MD, FRCS 1650 - 1700 Transverse Tripolar Stimulation: Dorsal Column Steerability with Multiple Independent Current Control in a Computational Model Dongchul Lee, MD	<i>Brain Free Talks, continued</i> 1600 - 1610 Evaluation of Parkinson's Disease Information Available on the Internet for French-Speaking Patients Alexander Weil, MD 1610 - 1620 Motor Cortex Stimulation for Central Pain and Peripheral Neuropathic Pain Byung Chul Son, MD 1620 - 1630 A Novel, Web-Based Approach to Public Participation in Neuromodulation Research Christopher Harris, MD 1630 - 1640 Long term Follow-up in Vagal Nerve Stimulation for Drug-Resistant Epileptic Patients Mario Meglio, MD 1640 - 1650 Transcranial Direct Current Stimulation for Tinnitus: A Preliminary Study on 400 Tinnitus Patients Sven Vanneste, MD 1650 - 1700 Transcranial Direct Current Stimulation (TDCS): What Happens on the Healthy Cortex? Mark Plazier, MD 1700 - 1710 Ablative Versus Ablative/Stimulating Combined Stereotactic and Functional Neurosurgical Procedures in Anorexia Nervosa- Preliminary Results Hemmings Wu, MD
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1900

*Faculty Dinner in Lotus Hill - Level Four - By Invitation Only*

Sunday, September 13

0700 - 1700 Registration Convention Center Lobby - 4<sup>th</sup> Floor  
 0700 - 0800 Continental Breakfast Convention Center Exhibition Hall - 4<sup>th</sup> Floor  
 0800 - 0900 INS Business Meeting Convention Hall A - 4<sup>th</sup> Floor

	Plenary Room Convention Hall A - 4 <sup>th</sup> Floor	Symposium Room Convention Hall B - 4 <sup>th</sup> Floor
0900 - 1100	<b>Plenary: Fundamentals</b> Moderators: Dominique Durand, PhD & Daryl Kipke, PhD	<b>Symposium: Towards an Evidence Base for Neuromodulation</b> Moderator: Simon Thomson, MBBS, FRCA, FIPP, FPPMRCA
	0900 - 0920 Computer Modeling of Cortical Stimulation Jan R. Buitenweg, MD	0900 - 0940 Global Health Economic Trends - What We Need to Know Richard Kuntz, MD
	0920 - 0940 Deep Brain Stimulation Mechanisms Kendall Lee, MD, PhD	0940 - 1020 Neuromodulation Study Design Richard North, MD
	0940 - 1000 Neural Interfacing with the Peripheral Nervous System Dominique Durand, PhD	

1000 - 1020 - COFFEE BREAK IN THE EXHIBITION HALL -

1020 - 1200	<b>Plenary: Fundamentals, continued</b>	<b>Symposium: Towards an Evidence Base for Neuromodulation, continued</b>
	1020 - 1040 Brain Barriers to Microelectrode Design Daryl Kipke, PhD	1020 - 1040 The Hegemony of Evidenced Based Medicine: The Impact of the Current Interpretation on the Field of Neuro-modulation Jane Shipley
	1040 - 1100 Increasing Reliability of Cortical Recordings Ravi Bellamkonda, PhD	1040 - 1100 N of 1 Study Design for Neuromodulation Alexander Green, MD
	1100 - 1200 <i>Fundamentals - Free Talks</i> Moderators: Seung-Han Park, PhD	1100 - 1200 <i>Pain - Free Talks</i> Moderators: Yoichi Katayama, MD, PhD & Byung Chul Son, MD
	1100-1110 Modeling Motor Cortex Stimulation to Excite the Subthalamic Nucleus via Different Pathways in Human Daphne de Klerke, MD	1100-1110 TBD
	1110-1120 Decoding of Retinal Ganglion Cell Activities of Photoreceptor-Degenerated Retina Evoked by Temporally-Patterned Electrical Stimulation Kyung Hwan Kim, MD	1110-1120 Modern SCS Technology Maintains Clinical Effects of Therapy Long Term: Results from a Spanish Case Series David Abejón, MD
	1120-1130 Requirements for the Safety and Compatibility of MRI for Patients with a Neuromodulation Device; Progress Report on Behalf of the ISO MRI Joint Working Group Robert Stevenson, MD	1120-1130 Peripheral Nerve Field Stimulation for Chronic Thoracic Pain and Thoracic Referred Pain - A Prospective Study Bruce Mitchell, MD
	1130-1140 Real-Time and Training-Free Control of a Prosthetic Robot Arm using Human Electroencephalograms Masayuki Hirata, MD	1130-1140 Pulsed Radiofrequency As a Neuromodulation Treatment for Various Intractable Pain Syndromes Jung Yul Park, MD, PhD
	1140-1150 Neural Sensing and Stimulation with IrO <sub>2</sub> /Au Nanowires and Nanocavity Ensemble Hargsoon Yoon, MD	1140-1150 Does greater occipital nerve stimulation influence the brain: LORETA imaging in fibromyalgia patients. Mark Plazier, MD
	1150-1200 Voltage- vs. Current-controlled Stimulation in SCS: Effect of Pulse Shape on Neural Response in a Computational Model Dongchul Lee, MD	1150-1200 Greater Occipital Nerve (C2) Stimulation in Fibromyalgia: Follow up results after a placebo controlled trial Mark Plazier, MD

1200 - 1300 - LUNCH IS SERVED IN CONVENTION CENTER - FIRST FLOOR -

Sunday, September 13, *continued*

	Plenary Room Convention Hall A - 4 <sup>th</sup> Floor	Symposium Room Convention Hall B - 4 <sup>th</sup> Floor
1300 - 1440	<b>Plenary: Engineering</b> Moderators: Sung June Kim, MD & Glen Davis, PhD	<b>Symposium: Medtronic Neuromodulation</b>
	1300 - 1320 Neural Interfaces for Implantable Neuroprosthetics and Neuro-modulation - Daryl Kipke, PhD	DBS Therapy: New Approaches for Obsessive Compulsive Disorder and Dystonia  Speaker: Dr. Michael Okun, MD Associate Professor of Neurology University of Florida, USA  Moderator: Prof. Uhn Lee, MD Department of Neurosurgery Gachon Medical School Chairman of Korean Chapter of the INS
	1320 - 1340 Principles of Electrical and Magnetic Stimulation of the Nervous System - Dominique Durand, PhD	
	1340 - 1400 Optical Neural Stimulation TBD	
	1400 - 1420 Engineering Central Nervous System Regeneration Ravi Bellamkonda, PhD	
1420 - 1440 Health and Fitness Benefits of Functional Electrical Stimulation-Evoked Leg Exercise for Spinal Cord-Injured Individuals Glen Davis, PhD		

1440 - 1500

- COFFEE BREAK IN THE EXHIBITION HALL -

1500 - 1600

1500 - 1600	<b>Plenary: Engineering, continued</b>	<b><i>Pain Free Talks</i></b> Moderators: Takaomi Taira, MD, PhD, Long Liem, MD & Keun Man Shin, MD
1500 - 1520 Microfluidic Tools for Neuroscience Noo Li Jeon, MD 1520 - 1540 Stimulating Novel Solutions for Parkinson's, Epilepsy and Other Neurological Disorders from Research Bridging Wireless Organic Nanosensors, Electronics and Medicine TBD 1540 - 1600 Novel, Low Cost but Effective and Safe Neuroprosthetic Devices Sung June Kim, PhD	1500 - 1510 The Rx of Caudal Syndrome in Multioperated Patients for Tarlov Cysts with Multiple and Independent Power Source SCS System: A Case Report - Claudio Reverberi, MD 1510 - 1520 Intrathecal baclofen Treatment for Disorders other than spasticity - Takaomi Taira, MD, PhD 1520 - 1530 The improvement of ischemic pain was associated with an increase in TcpO2 after the initiation of spinal cord stimulation in a patient with Buerger's disease Takeshi Uno, MD 1530 - 1540 Peripheral Nerve Field Stimulation for Chronic Craniofacial Pain - A Prospective Study Paul Verrills, MD 1540 - 1550 Infrapatellar Peripheral Nerve Field Stimulation: An effective treatment option for anterior knee pain - A Case Study - Paul Verrills, MD 1550 - 1600 A Prospective, Randomized, Multi-Centered Crossover Study to Evaluate Constant Current Versus Constant Voltage Trial Stimulation Systems: Patient Perceived Differences - Roni Diaz	

1600 - 1700

1600 - 1700	<b><i>Engineering Free Talks</i></b> Moderators: SI Park, MD & SJ Kim, MD  1600 - 1610 TBD 1610 - 1620 The Development of Diagnostic and Therapeutic System for Brain Disease Using Probe Pin Device (PPD) Uhn Lee, MD, PhD 1620 - 1630 An "AC Logic" Concept for Low Cost, but Safe Neuro-Stimulator System Kyou Sik Min, MD 1630 - 1640 A Programmable Multi-Channel Stimulation IC for Neuromodulation Kyou Sik Min, MD 1640 - 1650 Medio-Lateral Field Steering in Spinal Cord Stimulation (SCS) Using Triple Leads with Longitudinal Guarded Cathodes Vishwanath Sankarasubramanian, MD 1650-1700 TBD	<b><i>Pain Free Talks, Continued</i></b> 1600 - 1610 Replacing a Non-Rechargeable for a Novel Rechargeable SCS Device: A Case Report - David Abejón, MD 1610 - 1620 Experience With Lidocaine as Rescue Intrathecal Agent in Chronic Intrathecal Analgesia - Marc Russo, MD 1620 - 1630 Infection Rate of Spinal Cord Stimulators After a Screening Trial Period. A 53-Month Third Party Follow-Up Jan Rudiger, MD 1630 - 1640 Posterior Spinal Cord Stimulation in a Case of Painful Legs and Moving Toes - Fabian Piedimonte, MD 1640 - 1650 Replacing Spinal Cord Stimulation (SCS) Therapy Delivered Using Conventional Generators with Newer Technologically Advanced Devices - Nik Patel, MD 1650 - 1700 Combination Epidural and Subcutaneous Stimulation for Low Back Pain, an Algorithm of Programming Rosa Navarro, MD
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*Free Evening*

Monday, September 14

0700 - 1500	Registration	Convention Center Lobby - 4 <sup>th</sup> Floor
0700 - 0800	Continental Breakfast	Convention Center Exhibition Hall - 4 <sup>th</sup> Floor

	Plenary Room Convention Hall A - 4 <sup>th</sup> Floor	Symposium Room Convention Hall B - 4 <sup>th</sup> Floor
0800 - 1100	<b>Plenary: Pain</b> Moderators: Brian Simpson, MD, FRCS & David Abejón, MD	<b>Symposium: Neuromodulation for Epilepsy</b> Moderator: Jung-Kyo Lee, MD, PhD
0800 - 0820	Spinal Cord Stimulation for Post Herpetic Neuralgia Sang Chul Lee, MD, PhD	0900 - 0940 Deep Brain Stimulation for Epilepsy Kyung Jin Lee, MD, PhD
0820 - 0840	Spinal Cord Stimulation for Complex Regional Pain Syndrome Joshua Prager, MD, MS	0940 - 1020 Vagal Nerve Stimulation Guoming Luan, MD
0840 - 0900	Spinal Cord Stimulation for Failed Back Surgery Syndrome Jean-Pierre Van Buyten, MD	1020 - 1100 Responsive Neurostimulation/Neuromodulation for Epilepsy Kendall Lee, MD, PhD
0900 - 0920	SCS for Ischemia Bengt Linderoth, MD, PhD	
0920 - 0940	Intrathecal Therapy/Opioids Robert Levy, MD, PhD	
0940 - 1000	Intrathecal Therapy/Non-Opioids David Abejón, MD	

1000 - 1020

- COFFEE BREAK IN THE EXHIBITION HALL -

1020 - 1200

Plenary: Pain, continued	Symposium: Deep Brain Stimulation New Uses Moderator: Ali Rezaei, MD
1020 - 1040 Rational Use of Polyanalgesia Tim Deer, MD	1020 - 1040 Deep Brain Stimulation for Epilepsy Ashwini Sharan, MD
1040 - 1100 Intrathecal Baclofen Eduardo Barreto, MD	1040 - 1100 Deep Brain Stimulation for Anorexia Bomin Sun, MD
1100 - 1200 <i>Pain - Free Talks</i> Moderators: Marc Russo, MD & Sang Sup Chung, MD, PhD	1100 - 1120 Deep Brain Stimulation for Cluster Headache Angelo Franzini, MD
1100-1110 Beneficial Results from Lidocaine Infusion Pump Implantation and Obturators Neurotomies for Intractable Pain and Adductors Spasticity in One Patient after 36 Months' Follow-Up Jose Carrillo-Ruiz, MD	1120 - 1140 Deep Brain Stimulation for Speech Takaomi Taira, MD, PhD
1110-1120 Rate of device contamination or infection during transcutaneous spinal neurostimulation trial Dario Alessandro, MD	
1120-1130 Burst stimulation: towards paresthesia-free spinal cord stimulation Dirk DeRidder, MD, PhD	
1130-1140 Intrathecal Morphine (ITM) infusion for Chronic Back Pain: pain and functional status evaluation Genni Duse, MD	
1140-1150 Spinal cord stimulation (SCS) makes a great effect for the visceral pain caused by chronic pancreatitis: A case report Takahara Hiroshi, MD	
1150-1200 A retrospective study of long term continuous intrathecal infusions of opioid and/or bupivacaine in refractory non-malignant pain Dr. Hosam Aljehani	

1200 - 1300

- LUNCH IS SERVED IN CONVENTION CENTER - FIRST FLOOR -

Monday, September 14, *continued*

	Plenary Room Convention Hall A - 4 <sup>th</sup> Floor	Symposium Room Convention Hall B - 4 <sup>th</sup> Floor
1300 - 1440	<p><b>Plenary: Brain</b> Moderators: Takamitsu Yamamoto, MD and Uhn Lee, MD, PhD</p> <p><b>1300 - 1320</b> Deep Brain Stimulation for Dystonia Yoichi Katayama, MD, PhD</p> <p><b>1320 - 1340</b> New Uses for Motor Cortex Stimulation Brian Kopell, MD</p> <p><b>1340 - 1400</b> Deep Brain Stimulation and a New Evaluation System Sun Ha Paek, MD</p> <p><b>1400 - 1420</b> Deep Brain Stimulation for Anorexia Bomin Sun, MD</p> <p><b>1420 - 1440</b> Motor Cortex Stimulation for Pain Yoichi Katayama, MD, PhD</p>	<p><b>Symposium: St. Jude Neuromodulation Advanced Pain Therapy: Evidence, Challenges and Possibilities in Neurostimulation</b></p> <p>Dr. Robert Levy - Anatomical Considerations and Evidence for Successful Neurostimulation Therapy or The Science Behind Stimulation: Anatomical Considerations for Successful Pain Therapy</p> <p>Dr. Giancarlo Barolat - The Cervical Challenge: How to Reduce Your Procedural Risk</p> <p>Dr. Timothy Deer - Peripheral Neuropathies: Possibilities for Treating Foot Pain</p> <p>Q &amp; A - Panel Discussion</p>
1440 - 1500	- COFFEE BREAK IN THE EXHIBITION HALL -	
1500 - 1600	<p><b>Plenary: Brain, continued</b></p> <p><b>1500 - 1520</b> Deep Brain Stimulation for Depression / Obsessive-Compulsive Disorder Ali Rezai, MD</p> <p><b>1520 - 1540</b> Deep Brain Stimulation vs. Lesioning for Tremor Masafumi Hirato, MD</p> <p><b>1540 - 1600</b> Transcranial Magnetic Stimulation for Pain Yoichi Saitoh, MD</p> <p><b>1600 - 1620</b> Deep Brain Stimulation for Speech Problems Takaomi Taira, MD, PhD</p>	<p><b>Symposium: Spinal Cord Stimulation for Visceral Function</b> Moderator: Robert Foreman, PhD</p> <p><b>1500 - 1530</b> Neural Control and Neuromodulation of the Heart Jeffrey Ardell, PhD</p> <p><b>1530 - 1600</b> Neuromodulation and Clinical Implications in Cardiac Disease Michael De Jongste, MD, PhD</p>
1620 - 1700	<p><b><i>Brain Free Talks</i></b> Moderators: Michiel Staal, MD, PhD &amp; Yoichi Saitoh, MD</p> <p><b>1620 - 1630</b> Effects of Pallidal Deep Brain Stimulation in Primary Cervical Dystonia with Phasic Type Myung-Ki Lee, MD</p> <p><b>1630 - 1640</b> Risks of Intracranial Hemorrhage in Parkinson's Disease Patients Receiving Deep Brain Stimulation and Ablation Xiao-Wu Hu, MD</p> <p><b>1640 - 1650</b> Does CSF Leakage Influence the Electrode Localization after Deep Brain Stimulation? Yong Hwy Kim, MD</p> <p><b>1650 - 1700</b> Effects of Chronic STN DBS Treatment on Long-Duration Response to L-Dopa CS Lee, MD</p>	<p><b>Symposium: Spinal Cord Stimulation for Visceral Function, continued</b> Moderator: Robert Foreman, PhD</p> <p><b>1600 - 1630</b> Irritable Bowel Syndrome Neuromodulation: Basic Mechanisms and Translation to the Clinic Bengt Linderroth, MD, PhD</p> <p><b>1630 - 1700</b> Electrical Gastric Stimulation Jiande Chen, PhD</p>
1900	<b><i>Presidents' Reception &amp; Karaoke Party by Invitation Only</i></b>	

Tuesday, September 15

0700 - 1400 Registration

Convention Center Lobby -  
4<sup>th</sup> Floor

0700 - 0800 Continental Breakfast

	Plenary Room Convention Hall A - 4 <sup>th</sup> Floor	Symposium Room Convention Hall B - 4 <sup>th</sup> Floor
0800 - 1000	<b>Plenary: Organ Stimulation</b> Moderators: Jiande Chen, PhD & Seung June Oh, MD	<b>Symposium: Urologic Neuromodulation</b> Moderator: Duk Yoon Kim, MD, PhD
	<b>0800 - 0820</b> Spinal Cord Stimulation Mechanisms - Visceral Robert Foreman, PhD	<b>0900 - 0915</b> Current Status and Future Prospective in Urology Neuro- modulation Dae Kyung Kim, MD
	<b>0820 - 0840</b> Spinal Cord Stimulation Mechanisms - Somatic Pain Bengt Linderoth, MD, PhD	<b>0915 - 0930</b> Urologic Neuromodulation in Korea: Historical Perspective and Clinical Data Kyu Sung Lee, MD
	<b>0840 - 0900</b> Neuronal Control of the Heart Jeffrey Ardell, PhD	<b>0930 - 0945</b> Practical Aspects of Urological Neuromodulation Ju Tae Seo, MD
	<b>0900 - 0920</b> SCS for Angina Michael J DeJongste, MD, PhD	<b>0945 - 1000</b> Suboptimal Initial Response after an Interstim Implantation: What is Your Next Step? Hana Yoon, MD
	<b>0920 - 0940</b> Neuronal Control of Gastrointestinal Disorders Jiande Chen, PhD	
	<b>0940 - 1000</b> Gastrointestinal Stimulation Jiande Chen, PhD	

1000 - 1020

- COFFEE BREAK IN THE CONVENTION HALL LOBBY AREA -

1020 - 1200	<b>Plenary: Organ Stimulation, continued</b>	<b>Symposium: Spinal Cord Stimulation and Cerebral Blood Flow</b> Moderator: Konstantin Slavin, MD
	<b>1020 - 1040</b> Neuromodulation for Bowel Disorders Arantxa Munoz Duyos, MD	<b>1020 - 1050</b> Use of Spinal Cord Stimulation for Cerebrovascular Disease Yoichi Katayama, MD, PhD
	<b>1040 - 1100</b> Neuronal Control of the Bladder Seung June Oh, MD	<b>1050 - 1120</b> Spinal Cord Stimulation for Vasospasm Konstantin Slavin, MD
	<b>1100 - 1120</b> Sacral Nerve Stimulation: A Historical Perspective Adnan Al-Kaisy, MD	<b>1120 - 1200</b> Spinal Cord Stimulation for Minimally Conscious State Takamitsu Yamamoto, MD
	<b>1120 - 1140</b> Urostim for Urologic Disorders Myung Soo Choo, MD	
	<b>1140 - 1300</b> <i>Organ - Free Talks</i> Moderator: Seung Min Kim, MD	
	<b>1140-1150</b> Gastric Pacemaker Interstitial Cells of Cajal - Reduced in Patients with Chronic Nausea and Vomiting Christopher Lahr, MD	
	<b>1150-1200</b> Pain and Gastroparesis: Not a Contraindication for a Trial of Gastric Electrical Stimulator LD Halley, MD	
	<b>1200-1210</b> Depression and Gastroparesis: A Histological, Physiological and Clinical Outcome Analysis in Response to Gastric Stimulation Joy Hughes, MD	
	<b>1210-1220</b> Diabetes and Gastroparesis: A Histologic, Physiologic and Clinical Analysis in Response to Temporary and Subsequent Permanent Gastric Stimulation Joy Hughes, MD	
	<b>1210-1220</b> Migraines and Gastroparesis: A Histologic, Physiologic, and Clinical Analysis with Temporary Gastric Stimulation Mubina Isani, MD	
	<b>1230-1240</b> Impact of Sacral Surface Therapeutic Electrical Stimulation on Early Recovery of Urinary Continence after Radical Retropubic Prostatectomy: A Pilot Study Haruo Nakagama, MD	

## The International Neuromodulation Society thanks the following 9<sup>th</sup> World Congress Conference Chairmen, Faculty and Session Moderators

### Conference Chairmen

Dr. Elliot Krames, MD, Conference Co-Chair  
Prof. Jung-Kyo Lee, MD, PhD, Conference Co-Chair  
Prof. Uhn Lee, MD, PhD, LOC Chair  
Prof. Jin Woo Chang, MD, PhD, LOC Scientific Chair

### Invited Speakers

Dr. David Abejón, MD  
Dr. Adnan Al-Kaisy, MD  
Prof. Jeffrey Ardell, PhD  
Dr. Giancarlo Barolat, MD  
Dr. Eduardo Barreto, MD  
Dr. Ravi Bellamkonda, PhD  
Dr. Jan Buitenweg, PhD  
Dr. Jiande Chen, PhD  
Prof. Myung Soo Choo, MD  
Prof. Glen Davis, PhD  
Dr. Tim Deer, MD  
Dr. Michael De Jongste, MD, PhD  
Dr. Dominique Durand, PhD  
Prof. Robert Foreman, PhD  
Dr. Angelo Franzini, MD  
Dr. Teo Goroszeniuk, MD  
Dr. Alexander Green, MD  
Dr. Clement Hamani, MD  
Dr. Masafumi Hirato, MD  
Dr. Noo Li Jeon, MD  
Dr. Yoichi Katayama, MD, PhD  
Dr. Dae Kyung Kim, MD  
Prof. Sung June Kim, PhD  
Dr. Daryl Kipke, PhD  
Dr. Brian Kopell, MD  
Dr. Krishna Kumar, MD, FRCS  
Dr. Richard Kuntz, MD  
Dr. Kendall Lee, MD, PhD  
Dr. Kyu-Sung Lee, MD  
Dr. Kyung Jin Lee, MD  
Dr. Sang Chul Lee, MD, PhD  
Prof. Uhn Lee, MD, PhD  
Dr. Robert Levy, MD, PhD  
Prof. Bengt Linderoth, MD, PhD  
Dr. Guoming Luan, MD  
Dr. Dong Eon Moon, MD  
Dr. Arantxa Muñoz Duyos, MD  
Dr. Richard North, MD  
Prof. Bart Nuttin, MD, PhD  
Prof. Seung June Oh, MD  
Dr. Michael Okun, PhD  
Prof. Sun Ha Paek, MD  
Prof. Jung Yul Park, MD, PhD  
Dr. Kee Duk Park, MD  
Dr. Joshua Prager, MD, MS  
Dr. Ali Rezai, MD  
Dr. Yoichi Saitoh, MD  
Dr. Ju Tae Seo, MD  
Dr. Ashwini Sharan, MD  
Ms. Jane Ball Shipley

### Invited Speakers, continued

Dr. Konstantin Slavin, MD  
Dr. Young Min Son, MD  
Dr. Bomin Sun, MD  
Prof. Takaomi Taira, MD, PhD  
Prof. Jean-Pierre Van Buyten, MD  
Dr. Paul Verrills, MD  
Dr. Richard Weiner, MD  
Dr. Takamitsu Yamamoto, MD, PhD  
Dr. Hana Yoon, MD

### Session Moderators

Dr. David Abejón, MD  
Dr. Sang Sup Chung, MD, PhD  
Prof. Glen Davis, PhD  
Prof. Dominique Durand, PhD  
Prof. Robert Foreman, PhD  
Prof. Yoichi Katayama, MD, PhD  
Dr. Chan Kim, MD  
Dr. Duk Yoon Kim, MD  
Dr. Seung Min Kim, MD  
Prof. Sung June Kim, PhD  
Prof. Daryl Kipke, PhD  
Dr. Brian Kopell, MD  
Dr. Liong Liem, MD  
Prof. Guoming Luan, MD, PhD  
Prof. Mario Meglio, MD  
Prof. Seung June Oh, MD  
Dr. Kee Duk Park, MD  
Prof. Se Ik Park, PhD  
Prof. Seung-Han Park, PhD  
Prof. Paolo Poli, MD  
Dr. Fabian Piedimonte, MD  
Dr. Ali Rezai, MD  
Dr. Marc Russo, MD  
Dr. Keun Man Shin, MD  
Mr. Brian Simpson, MD, FRCS  
Dr. Konstantin Slavin, MD  
Dr. Michiel Staal, MD, PhD  
Dr. Byung Chul Son, MD  
Prof. Takaomi Taira, MD, PhD  
Dr. Simon Thomson, MBBS, FRCA, FIPP  
Prof. Takamitsu Yamamoto, MD, PhD