<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Room A</th>
<th>Topic</th>
<th>Chair</th>
<th>Speaker(s)</th>
<th>Institution</th>
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<tbody>
<tr>
<td>8/4 10:00am-11:30am</td>
<td>GS 1</td>
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<td>Cutting edge of non-invasive brain stimulation</td>
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<td>Yoshio Takeda</td>
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<td>Shinsuke Itou (Chair 1)</td>
<td>Tohoku University Graduate School of Biomedical Engineering</td>
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<td>Tetsunari Inamura (Chair 2)</td>
<td>National Institute of Informatics</td>
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<td>Shenzhen Institute of Neuroscience</td>
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<td>Yukinori Goto (Speaker 5)</td>
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<td>8/4 17:10pm-18:40pm</td>
<td>GS 5</td>
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<td>Dire Healthcare Systems</td>
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<td>Ying-Feng Huang (Chair 1)</td>
<td>National Taiwan University of Technology</td>
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### Session 5

#### 8/4, 17:10pm-18:40pm  Room A: Omni Healthcare Systems

**Speaker 1:** Hadijaj Basanta  
National Taiwan University of Technology  
An Innovative IoT-based HDU Pervasive Healthcare System to Assist and Control Daily Routine of Elderly People

**Speaker 2:** N. Anishandra Singh  
National Taiwan University of Technology  
An Intelligent Method to Identify Attributes Affecting Scoliosis for Elementary School Students

**Speaker 3:** Li-Ju Lai  
Chang Gung Memorial Hospital  
The Relationship of Pediatric Headache and Head Tilt in Rural Area of Southern Taiwan

**Speaker 4:** Min-Hsiung Huang  
Department of Computer Science and Information Engineering/Chinese Culture University  
Development of a Novel Health Promotion System based on KSN and Cloud Computing

**Speaker 5:** Chan-Yun Yang  
Department of Electrical Engineering, National Taipei University  
A Development of Activity-Detection Mobile App for Post Mini-Stroke Homecare

**Speaker 6:** Takuya Kanyamizu  
Iwate Prefectural University  
Anomaly Detection of Continuously Monitored Periodic Bio-signals

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### Session 6

#### 8/4, 17:10pm-18:40pm  Room B: Human-robot Interaction & Integration

**Chair 1:** Qiang Huang  
Beijing Institute of Technology  
Home service by a mobile manipulator system

**Chair 2:** Zhaoli Lu  
Graduate School of System Informatics, Kobe University  
Construction of BMI Power Assistance System with the EGG-Torque Module

**Chair 3:** Masataka Yoshikoa  
Maeoh Institute of Technology  
Tracking Control for an Omnidirectional Rehabilitative Walker with Random Parameters Based on Visual Feedback

**Chair 4:** Hongbin Chang  
Kochi University of Technology  
Immunology Type VR for Rehabilitation of Human Cognitive Motor Functions

**Chair 6:** Koutaro Taniguchi  
Kagoshima University  
Clinical Research of Shrinkable Electrical Stimulation and Vibration Stimulus Synchronizing System with DDF Constraining Mechanism for Hemiplegic Upper Limb Rehabilitation

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### Session 7

#### 8/5, 9:30am-11:00am  Room A

**Chair 1:** Ying-Zu Huang  
Chang Gung University  
An evaluation for effects of magnetic brain stimulation with the maximum voluntary muscle contraction (FMS with MVIC) on cognitive function in normal subjects

**Chair 2:** Tezuo Touge  
Kagawa University  
Investigation of aberrant plasticity in dystonia and Parkinson's disease with theta burst stimulation

**Chair 3:** Toruutake Fujikawa  
Tokai University School of Medicine  
Hybrid Assistive Neuromuscular Dynamic Stimulation (HANDS) therapy - New therapeutic strategy for hemiparetic upper extremity after stroke

**Chair 4:** Tomoharu Yamaguchi  
Keio University School of Medicine  
The Effects of Repetitive Transcranial Brain Stimulation on Spinal Plasticity Induced by Peripheral Patterned Electrical Stimulation

**Chair 5:** Jui-Cheng Andrew Chen  
China Medical University  
Transcranial direct current stimulation and its application on health and neurological disorders

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### Session 8

#### 8/5, 11:00am-12:30pm  Room A: Novel Medical Technology for Developing Countries

**Chair 1:** Sandor Markson  
Kobe Institute of Computing  
Remote Patient Diagnosing Using Health Care Sensor Network in Rural Areas, Rwanda

**Chair 2:** Yuko Nakamura  
Department of Neurology, Kindai University Sakai Hospital  
Remote Patient Diagnosing Using Health Care Sensor Network in Rural Areas, Rwanda

**Chair 3:** Liang Pan  
Kobe Institute of Computing  
Remote Patient Diagnosing Using Health Care Sensor Network in Rural Areas, Rwanda

**Chair 4:** Ahmad Faheem Dari  
Kobe Institute of Computing  
Remote Patient Diagnosing Using Health Care Sensor Network in Rural Areas, Rwanda

**Chair 5:** Hasen Kider Edris  
Kobe Institute of Computing  
Remote Patient Diagnosing Using Health Care Sensor Network in Rural Areas, Rwanda

**Chair 6:** Mutsuomi Kamiuchi  
Kobe Institute of Computing  
Remote Patient Diagnosing Using Health Care Sensor Network in Rural Areas, Rwanda

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For more information on any of the sessions or topics covered, please refer to the provided details or contact the speakers for further inquiry.
Presentation and Q&A Time of each speaker

- OS 1, 2, 4, 7 and 12 : 17 minutes (13 mins for presentation & 4 mins for Q&A)
- OS 3 : 20 minutes (15 mins for presentation & 5 mins for Q&A)
- OS 5, 6, 8, 10, and 11 : 14 minutes (10 mins for presentation & 4 mins for Q&A)
- OS 9 : 30 minutes (25 mins for presentation & 5 mins for Q&A)