The 18th ISfTeH International Conference in Japan

The Construction of an International Collaboration with Telemedicine

Program

October 17 (Thursday) to 20 (Sunday), 2013

Sunport Hall Takamatsu
Sunport 2-1, Takamatsu, Kagawa 760-0019, Japan

2013/9/3

The 18th ISfTeH International Conference Organizing Committee

Japanese Telemedicine and Telecare Association
International Society for Telemedicine and eHealth
Participants are from 22 countries.
# Event Time Table

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Location</th>
<th>Date/Time</th>
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</thead>
<tbody>
<tr>
<td><strong>Registration</strong></td>
<td>Entrance Lobby of Small Hall 1/ Sunport Hall Takamatsu 4F</td>
<td>October 17 Thursday 13:00-17:00, October 18 Friday 08:30-17:00, October 19 Saturday 08:30-14:00</td>
</tr>
<tr>
<td><strong>Opening Ceremony</strong></td>
<td>Small Hall 1/ Sunport Hall Takamatsu 4F</td>
<td>October 18 Friday 09:00-09:30</td>
</tr>
<tr>
<td><strong>Award and Closing Ceremony</strong></td>
<td>Small Hall 1/ Sunport Hall Takamatsu 4F</td>
<td>October 19 Saturday 16:30-17:00</td>
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<tr>
<td><strong>Exhibition</strong></td>
<td>Conference Room 61/ Sunport Hall Takamatsu 6F</td>
<td>October 18 Friday 09:00-17:00, October 19 Saturday 09:00-15:00</td>
</tr>
<tr>
<td><strong>Luncheon Seminar (in Japanese)</strong></td>
<td>Small Hall 2/ Sunport Hall Takamatsu 5F</td>
<td>October 18 Friday 12:30-13:30, October 19 Saturday 12:00-13:00</td>
</tr>
<tr>
<td><strong>Luncheon Seminar (in English)</strong></td>
<td>Kagawa International Conference Hall/ Symbol Tower 6F</td>
<td>October 18 Friday 12:30-13:30, October 19 Saturday 12:00-13:00</td>
</tr>
<tr>
<td><strong>Open Lectures and Concert for the Citizens (in Japanese)</strong></td>
<td>Big Hall/ Sunport Hall Takamatsu 3F</td>
<td>October 18 Friday 16:00-18:00</td>
</tr>
<tr>
<td><strong>Chair</strong></td>
<td>Kazuhiro Hara Kagawa University/ Tokushima Bunri University</td>
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<tr>
<td><strong>1</strong></td>
<td>Hiroshi Tanaka Tokyo Medical and Dental University</td>
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<tr>
<td>“Telemedicine in Japan”</td>
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<tr>
<td><strong>2</strong></td>
<td>Hideki Inoshita Kagawa Prefecture Government</td>
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<tr>
<td>“Kagawa Special Region Project for Medicine and Welfare”</td>
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<td><strong>3</strong></td>
<td>Yoshie Ueno</td>
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<td><strong>Flute and piano performance</strong></td>
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<tr>
<td><strong>Drink Service</strong></td>
<td>Entrance Lobby of Kagawa International Conference Hall/ Symbol Tower 6F</td>
<td>October 18 Friday 10:30-11:00 15:00-15:30, October 19 Saturday 10:30-10:30 14:15-14:45 15:00-15:30</td>
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</tbody>
</table>
**Welcome Reception**  
Restaurant Mikayla  
October 17 Thursday 18:00-20:00

**Joint Social Reception**  
JR Hotel Clement Takamatsu  
October 18 Friday 19:00-21:00

**ISfTeH Board Meeting**  
Conference Room 53/ Sunport Hall Takamatsu 5F  
October 19 Saturday 12:00-13:00

**ISfTeH General Assembly**  
Kagawa International Conference Hall/ Symbol Tower 6F  
October 19 Saturday 16:00-16:30

**Excursion (Chartered Bus Tour)**  
Let’s find the Japanese traditional cultures in Kagawa!  
October 20 Sunday 09:00-16:40

- Minimum participants: 20
- Attendant fee: 5,500JPY

Chartered bus

<table>
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<tr>
<th>JR Hotel Clement Takamatsu</th>
<th>Historical Museum of the Tale of Heike</th>
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<tbody>
<tr>
<td>9:00</td>
<td>9:15</td>
<td>10:15</td>
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Lunch

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<tr>
<th>Ritsurin Garden</th>
<th>Sanuki Mengyo</th>
<th>Kompira Shrine</th>
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<tr>
<td>10:30</td>
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<tr>
<th>Takamatsu Airport</th>
<th>JR Takamatsu Station</th>
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<td>15:50</td>
<td>16:00</td>
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<td>16:00</td>
<td>16:40</td>
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</tbody>
</table>
JTIA/ ISfTeH Joint Keynote Lectures

October 18 Friday

Small Hall 1/ Sunport Hall Takamatsu 4F

09:30-10:00 JKL-1/ Joint Keynote Lecture 1
Chair Kazuhiro Hara President of JTIA Japan
“Telemedicine: Victories Won and Challenges Ahead”
Steven Normandin Vice President of ISfTeH, AMD Global Telemedicine USA

10:00-10:30 JKL-2/ Joint Keynote Lecture 2
Chair Frank Lievens Secretary of ISfTeH Belgium
“Network System of Electronic Patient Medical Record for Telemedicine and Telecare in Kagawa Prefecture and International Future Deployment”
Kazuhiro Hara President of JTIA Japan

10:30-11:00 JKL-3/ Joint Keynote Lecture 3
Chair Hideto Yokoi Kagawa University Hospital Japan
“Telemedicine and Regional Healthcare Information Networks in Japan”
Hiroshi Tanaka Tokyo Medical and Dental University Japan

11:30-12:00 JKL-4/ Joint Keynote Lecture 4
Chair Masaaki Tokuda Kagawa University Japan
“The regional medical support by telemedicine for disaster-stricken areas by Tohoku Medical Megabank Organization (ToMMo)”
Hideyasu Kiyomoto Tohoku University Japan

12:00-12:30 JKL-5/ Joint Keynote Lecture 5
Chair Masatsugu Tsuji University of Hyogo Japan
“Collaborative Workflows: Empowering both providers and patients to lower costs and improve care delivery outcomes”
Mark Blatt Intel Corp. USA
International Keynote Lectures

October 19 Saturday

Room1: Kagawa International Conference Hall/ Symbol Tower 6F

<table>
<thead>
<tr>
<th>Time</th>
<th>Lecture</th>
<th>Chair</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:30</td>
<td>IKL-1/ International Keynote Lecture 1</td>
<td>Masayuki Honda</td>
<td>Nagasaki University Hospital, Japan</td>
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<td></td>
<td></td>
<td>Rifat Latifi</td>
<td>Arizona University, USA</td>
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<td></td>
<td>“Beyond Cutting Ribbons and Flowerily Inauguration”</td>
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<tr>
<td>09:30-10:00</td>
<td>IKL-2/ International Keynote Lecture 2</td>
<td>Ikuo Tofukuji</td>
<td>Takasaki University of Health and Welfare, Japan</td>
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<td></td>
<td></td>
<td>Andre Petitet</td>
<td>CATEL, Head of the International Commission, France</td>
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<td></td>
<td>“Why and How FRANCE BECAME A TELEMEDICINE COUNTRY”</td>
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### International Symposiums

#### October 18 Friday

**Room 1: Kagawa International Conference Hall/ Symbol Tower 6F**

<table>
<thead>
<tr>
<th>Time</th>
<th>ISY-111/ International Symposium Quit Smoking</th>
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<tbody>
<tr>
<td>17:00-18:30</td>
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<tr>
<td>Chair</td>
<td>Kaoru Ashimine Okinawa Prefectural Chubu Hospital, Japan</td>
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<tr>
<td></td>
<td>Ikuo Tofukuji Takasaki University of Health and Welfare, Japan</td>
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<tr>
<td>1</td>
<td>“Tobacco Quitline as coordinating mechanism for promoting smoking cessation for 10 million smokers”</td>
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<tr>
<td></td>
<td>Hiroyuki Noda Ministry of Health, Labour and Welfare, Japan</td>
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<tr>
<td>2</td>
<td>“Evolving Quitline with e-health Technology: High Performance and Low Cost”</td>
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<td>Min Kyung Lim National Cancer Center, Republic of Korea</td>
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<td>3</td>
<td>“Smoking Cessation Activities in Thailand”</td>
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<tr>
<td></td>
<td>Jintana Yunibhand Thailand National Quitline, Thailand</td>
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<tr>
<td>4</td>
<td>“Kinen-marathon as patients-to-patients quitting model in Japan”</td>
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<td></td>
<td>Yuko Takahashi Nara Women's University, Japan</td>
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**Room 2: Conference Room 54/ Sunport Hall Takamatsu 5F**

<table>
<thead>
<tr>
<th>Time</th>
<th>ISY-121/ International Symposium e-Health Economics</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30-15:00</td>
<td></td>
</tr>
<tr>
<td>Chair</td>
<td>Masatsugu Tsuji University of Hyogo, Japan</td>
</tr>
<tr>
<td>1</td>
<td>“Economic Evaluation of the “Long-term” and “Short-term” Effects of Telecare”</td>
</tr>
<tr>
<td></td>
<td>Yuji Akematsu Osaka University, Japan</td>
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<tr>
<td>2</td>
<td>“Introducing Multi-media Communication for Regional Medicine: Nagahama Telemedicine Project”</td>
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<td></td>
<td>Tomohiro Kuroda Kyoto University Hospital, Japan</td>
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<tr>
<td>3</td>
<td>“Legal Interpretation of Face-to-Face Consultation via Communications Circuit”</td>
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<td>Isao Nakajima Tokai University, Japan</td>
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<td>4</td>
<td>“Issues of Telemedicine Reimbursement in Japan: Analysis from e-Health Economics”</td>
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<tr>
<td></td>
<td>Masatsugu Tsuji University of Hyogo, Japan</td>
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</tbody>
</table>
### Room2: Conference Room 54/ Sunport Hall Takamatsu 5F

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair(s)</th>
<th>Institution</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30-12:00</td>
<td><strong>ISY- 221/ International Symposium Tele-homecare</strong></td>
<td>Koichi Sampei</td>
<td>India Welfare Village Society</td>
<td>Japan</td>
</tr>
<tr>
<td>1</td>
<td>“ICT-Based BP Measurement in Rural Clinics in India”</td>
<td>Koichi Sampei</td>
<td>India Welfare Village Society</td>
<td>Japan</td>
</tr>
<tr>
<td>2</td>
<td>“ICT Utilization by smart phones and cloud-based services in Home Care Medicine in Japan”</td>
<td>Junichiro Toya</td>
<td>Sakura-shinmachi Urban Clinic</td>
<td>Japan</td>
</tr>
<tr>
<td>3</td>
<td>“Moving e-Health to the ‘Home’ – Thinking it Through”</td>
<td>Richard E. Scott</td>
<td>University of KwaZulu Natal</td>
<td>South Africa</td>
</tr>
<tr>
<td>4</td>
<td>“Telemedicine landscape of India”</td>
<td>Saroj Mishra</td>
<td>Sanjay Gandhi Post Graduate Institute of Medical Sciences</td>
<td>India</td>
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### Room3: BB Square/ e-Topia Kagawa 4F

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair(s)</th>
<th>Institution</th>
<th>Country</th>
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</thead>
<tbody>
<tr>
<td>10:30-12:00</td>
<td><strong>ISY- 231/ International Symposium Telepathology</strong></td>
<td>Taizo Shiraisihi</td>
<td>Mie University</td>
<td>Japan</td>
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<td>Mika Watanabe</td>
<td>Tohoku University</td>
<td>Japan</td>
</tr>
<tr>
<td>1</td>
<td>“Applications of z-axis video for cytology (Zavic) to various cytology practices”</td>
<td>Katsushige Yamashiro</td>
<td>Hokkaido Cancer Center</td>
<td>Japan</td>
</tr>
<tr>
<td>2</td>
<td>“Clinical Guidelines for Telepathology Practices”</td>
<td>Yasunari Tsuchihashi</td>
<td>Luis Pasteur Medical Research Center Kyoto</td>
<td>Japan</td>
</tr>
<tr>
<td>3</td>
<td>“Telepathology of routine pathology slides supports rural medical system”</td>
<td>Ichiro Mori</td>
<td>Mita Hospital, International University of Health and Welfare</td>
<td>Japan</td>
</tr>
<tr>
<td>4</td>
<td>“Morphologic Diagnosis and International Collaboration in Telemedicine”</td>
<td>Keizo Furuya</td>
<td>Ehime Prefectural Central Hospital</td>
<td>Japan</td>
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<td>5</td>
<td>“Nation-Wide Survey of Digital pathology and Image Analysis in Korea”</td>
<td>Kim Dae Cheol</td>
<td>Dong-A University College of Medicine</td>
<td>Republic of Korea</td>
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### Oral Presentations

#### October 18 Friday

**Room1: Kagawa International Conference Hall/ Symbol Tower 6F**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
<th>Country</th>
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<tr>
<td>13:30-15:00</td>
<td>IGS-111/ Fetal, Pregnant and Perinatal Telemedicine 1</td>
<td>Minimum Hardware Smart Simple and Wearable System for Patient Conducted Trans-Network Remote Fetal Monitoring, Proposed Architecture with Evaluations of Subsystem and Component</td>
<td>Yasuhito Takeuchi</td>
<td>Akibagaoka Signaling Laboratory</td>
<td>Japan</td>
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<td></td>
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<td>Remote Monitoring Program of High Risk Pregnant Women and Fetus in Mexico</td>
<td>José Carmelo Rangel Breña</td>
<td>Center for Engineering and Industrial Development</td>
<td>Mexico</td>
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<tr>
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<td>DigiMAPS : A Multimodal Communication System for Maternal Health Care in Indonesia</td>
<td>Hadi Hariyanto</td>
<td>TELKOM Indonesia</td>
<td>Indonesia</td>
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<tr>
<td></td>
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<td>Acceptance and User Experience of Online System for Mother and Children Health Record: A Preliminary Study</td>
<td>Andri Qiantori</td>
<td>PT. Telekomunikasi Indonesia</td>
<td>Indonesia</td>
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<td>Cluster randomized controlled trial of maternal and child health handbook and birth cohort study in Mongolia: Implication for new technology</td>
<td>Rintaro Mori</td>
<td>National Center for Child Health and Development</td>
<td>Japan</td>
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<td>High Risk Pregnancy Management System in Beijing</td>
<td>Song Yu</td>
<td>Beijing Obstetrics and Gynecology Hospital, Capital Medical University</td>
<td>China</td>
</tr>
<tr>
<td>15:30-17:00</td>
<td>IGS-112/ Fetal, Pregnant and Perinatal Telemedicine 2</td>
<td>Remote Fetal-Maternal Checkup on Cloud Computing Environment in South-western Hokkaido</td>
<td>Takahiko Shimmi</td>
<td>Sapporo Medical University</td>
<td>Japan</td>
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<td>The efficacy of mobile cardiotocogram in perinatal care of remote islands in Japan</td>
<td>Kohei Odagiri</td>
<td>Naze Tokushukai Hospital</td>
<td>Japan</td>
</tr>
<tr>
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<td>Regional collaboration in our perinatal center utilizing the web-version electronic patients records</td>
<td>Michiko Kido</td>
<td>Japanese Red Cross Medical Center</td>
<td>Japan</td>
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<td>ICT utilization by perinatal medical care in Iwate prefecture</td>
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September 03, 2013

Tsuneo Yamada Medical Information System Development Center Japan

5 Supporting regionalised perinatal care by telemedicine – acute care consultation, ward rounds and clinical education outreach
Nigel R. Armfield The University of Queensland Australia

6 The Medical ICT Utilization for Perinatal Telemedicine in Remote Areas
Yhuko Ogata Mitla Co. Japan

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Room2: Conference Room 54/ Sunport Hall Takamatsu 5F
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15:30-16:30 IGS- 121/ International Collaboration
Chair Shuji Shimizu Kyushu University Japan
Andrey I. Selkov Russian Association for Telemedicine Russia

1 The Role of ISfTeH in The International Context of Telemedicine/eHealth
Frank Lievens ISfTeH Belgium

2 Role of the Technique of Business Planning of UNIDO – WORLD Bank In Success of Telemedical Projects of the Russian Association for Telemedicine
Andrey I. Selkov Russian Association for Telemedicine Russia

3 Telemedicine combined with Data Set of Medical Tourism Reduces Risk of Patients and Hospitals
Min Hu Kyushu University Japan

4 International collaborations on remote medical education in Asia and beyond: 10 year experience
Shuji Shimizu Kyushu University Japan

16:30-17:00 IGS- 122/ Telemedicine and Society
Chair Tamara Eliseeva Scientific Clinical Centre JSC "Russian Railways" Russia

1 Telehealth Business Model Development in Indonesia
Ediana Sutjiredjeki Politeknik Negeri Bandung Indonesia

2 Social significance of telemedicine
Tamara Eliseeva Scientific Clinical Centre JSC "Russian Railways" Russia

17:00-17:30 IGS- 123/ E-prescription
Chair Naomi Iihara Tokushima Bunri University Japan

1 A Preliminary Survey of E-prescription Readiness in Nigeria
Emuoyibofarhe O. Justice Ladoke Akintola University of Technology Nigeria

2 A community electronic prescription system—the expectation by pharmacists
Naomi Iihara Tokushima Bunri University Japan

17:30-18:30 IGS- 124/ Mobile Telemedicine
Chair  Naoki Kodama  Takasaki University of Health and Welfare  Japan
Cirano Iochpe  Universidade Federal do Rio Grande do Sul  Brazil
1  “A Context Aware Mobile Agent Middleware Framework For Remote Patient Monitoring”
Akomolafe O. P  University of Ibadan  Nigeria
2  “Health applications in mobile devices”
Diego Alejandro Parra Álvarez  Nueva Granada Military University  Colombia
3  “Integrating mHealth Into A Chronic Disease Management Program For Elder Patients With Diabetes in Brazil”
Cirano Iochpe  Universidade Federal do Rio Grande do Sul  Brazil
4  “Effectiveness of Preventive Healthcare through Telemedicine in Bangladesh”
Partha Pratim Ghosh  Grameen Communications  Bangladesh

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Room1: Kagawa International Conference Hall/ Symbol Tower 6F
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10:30-11:15  IGS- 211/ Tele-nursing
Chair  Tomoko Kamei  St. Luke’s College of Nursing  Japan
Domantas Stundys  Vilnius University Hospital Santariškių Klinikos  Lithuania
1  “PrimCareIT – the use of teleconsultation and telementoring solutions for counteracting brain drain and professional isolation of health professionals in remote primary health care”
Domantas Stundys  Vilnius University Hospital Santariškių Klinikos  Lithuania
2  “Development and Implementation of Evidence-based Guidelines for Telenursing Practice for Patients with Chronic Obstructive Pulmonary Disease in a Japanese Setting”
Tomoko Kamei  St. Luke’s College of Nursing  Japan
3  “Study of Telenursing System that Promotes Self-care of Patient with Chronic Obstructive Pulmonary Disease”
Yuko Yamamoto  St. Luke’s College of Nursing  Japan

11:15-12:00  IGS- 212/ Tele-ophthalmology
Chair  Reiko Kinouchi  Asahikawa Medical University  Japan
Yogesan Kanagasingam  School of Medicine, University of Notre Dame  Australia
1  “Remote Diagnosis of Glaucoma”
Yogesan Kanagasingam  School of Medicine, University of Notre Dame  Australia
2  “Innovative, low cost telemedicine based diabetic retinopathy screening systems”
Yogesan Kanagasingam  School of Medicine, University of Notre Dame  Australia
3  “Educational Use and Cost of a Telemedicine Microsurgery Support System for Medical Students”
13:00-14:15 IGS-213/ General/Policy

Chair: André PETITET CATEL, Head of the International Commission, France
Richard Scott, University of KwaZulu Natal, South Africa

1. “Clinical Decision Support System – National project of Lithuania – designed for Telemedicine and other purposes.”
   Lina Barzdaitė, Vilnius University Hospital Santariskiu klinikos, Lithuania

2. “Managing Health Evacuations in a Globalized World”
   Luís Velez Lapão, Universidade Nova de Lisboa, Portugal

   Richard Scott, University of KwaZulu Natal, South Africa

   AJ Owosho, Military Hospital Lagos, Nigeria

5. “USE OF TELEMEDICINE TOOLS”
   André PETITET CATEL, Head of the International Commission, France

14:45-15:45 IGS-214/ New Technologies

Chair: Tetsuo Sakamaki, Gunma University, Japan

   Shu Nishiguchi, Graduate School of Medicine, Kyoto University, Japan

2. “Detection effects by thumbnail image in a medical image support system using transmitting delay path of satellite communication”
   Takayuki Suga, Shibaura Institute of Technology, Japan

3. “Human identification by impulse response representation of ECG”
   Minkyu Kim, Myongji University, Republic of Korea

   Minkyu Kim, Myongji University, Republic of Korea

13:00-14:15 IGS-221/ Tele-cardiology

Chair: Junichi Ninomiya, Medical Division, Professional Doctors Net, Japan
Adolfo Sparenberg, the Institute of Cardiology of Rio Grande do Sul, Brazil

1. “A Simple Technique for Enhancing 12-Lead ECG Interoperability on the Application of Telemedicine”
   Jui-chien Hsieh, Yuan Ze University, Taiwan

2. “A New 12-Lead ECG Mobile Learning Service in the Cloud for Medical Education”
14:45-15:30 IGS-222/ Education

Chair: Nobuhiro Sakata, Dokkyo Medical University, Japan
1. "ISfTeH Students Working Group: Bringing eHealth Initiatives to the Future Professionals"
   - Adolfo Sparenberg, ISfTeH, Brazil
2. "An International Telemedicine Curriculum?"
   - Maurice Mars, Dept of TeleHealth, University of KwaZulu-Natal, South Africa
3. "Learning opportunities of telemedicine literacy for medical and nursing students"
   - Nobuhiro Sakata, Dokkyo Medical University, Japan

15:30-16:15 IGS-223/ Electronic Health Record

Chair: Hiroshi Kondoh, Tottori University Hospital, Japan
Frederick North, Mayo Clinic, USA
1. "When should you be using the patient portal for telemonitoring?"
   - Frederick North, Mayo Clinic, USA
2. "EPR and PACS sharing system applying cloud technology and XDS/XDS-I"
   - Hiroshi Kondoh, Tottori University Hospital, Japan
3. "Team Kagawa" developed newly clinical pathway for diabetes mellitus on medical IT, K-MIX"
   - Koji Murao, Kagawa University, Japan

Room3: BB Square/ e-Topia Kagawa 4F

13:00-14:15 IGS-231/ Remote-monitoring

Chair: Koichi Kurita, Kinki University, Japan
Emuoyibofarhe O. Justice, Ladoke Akintola University of Technology, Nigeria
1. "Remote Monitoring of Patients Vital Signs"
   - Emuoyibofarhe O. Justice, Ladoke Akintola University of Technology, Nigeria
2. "A respiration measurement system for sleep apnea syndrome monitoring using an
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accelerometer”
YounTae KIM   Myongji University   Republic of Korea

3 “Remote monitoring Technique for Physical Activity Estimation by means of the Internet”
Koichi Kurita   Kinki University   Japan

4 “InspectLife – solution for providing telecare and telehealth”
Jiří Potůček   Charles University Prague   Czech Republic

5 “Patient empowerment using telemonitoring and self-monitoring in the multilingual patient health portal VIVAPORT.EU”
Rolandas Bėrontas   Vilnius University Hospital Santariskiu klinikos   Lithuania

14:45-16:00 IGS- 232/ Evaluation
Chair   Takashi Hishitani   Saitama Children’s Medical Center   Japan
Giichiro Ohno   Tokatsu Hospital   Japan

1* “Evidence for Person-Centered Care in Telehealth Research”
Claudia C. Bartz   International Council of Nurses   USA

2 “Remote epilepsy clinic using a video conferencing system”
Ayumi Narisawa   Kesennuma City Hospital   Japan

3 “What E-health can do and cannot? : Experimental practice of e-health supporting system between Antarctic Station and Japan”
Giichiro Ohno   Tokatsu Hospital   Japan

4 “Tele-consultation service for Japanese long-stayers in Chiang Mai, Thailand”
Masaaki Tokuda   Kagawa University   Japan

5 “Accuracy of telediagnosis of fetal heart disease using ultrasound image transmission via Internet”
Takashi Hishitani   Saitama Children’s Medical Center   Japan

*Virtual presentation
**JTAA 2013 Japanese Presentations**

**October 18 Friday**

**Hall1: Small Hall 1/ Sunport Hall Takamatsu 4F**

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>13:30-15:00</td>
<td><strong>JTAA Keynote Lecture 1</strong></td>
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<tr>
<td></td>
<td>“Extension of Healthcare Innovation in the Cloud Era”</td>
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<td></td>
<td>Kiyoshi Itao</td>
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<td>The Advanced Institute of Wearable Environmental Information Networks</td>
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<tr>
<td>15:30-17:00</td>
<td><strong>Telemedicine Study Group by MHLW Budget</strong></td>
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<td>Chair: Tetsuo Sakamaki, Gunma University</td>
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<td>Takashi Hasegawa, Gunma University Hospital</td>
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<td>Hiroki Okada, Kagawa University</td>
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<tr>
<td>1</td>
<td>“Prospective multicentre case-control study of telemedicine in clinical events, travelling time, QOLs for home medical care”</td>
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<td>Takayuki Kohri, Tone Central Hospital</td>
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<td>2</td>
<td>“The home care information sharing in IT age”</td>
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<td>Takashi Hasegawa, Gunma University Hospital</td>
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<td>3</td>
<td>“The study of the promotion policy of the telemedicine”</td>
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<td>Takashi Hasegawa, Gunma University Hospital</td>
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<tr>
<td>17:00-18:30</td>
<td><strong>Assistance and evaluation of Home Care</strong></td>
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<td>Chair: Masatsugu Tsuji, University of Hyogo</td>
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<td>Takayuki Kohri, Tone Central Hospital</td>
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<tr>
<td>1</td>
<td>“Usefulness of the Team Care System using Mobile Terminals on Patients with Intractable Neurological Diseases”</td>
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<td>Akiyo Hineno, Shinshu University School of Medicine</td>
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<td>2</td>
<td>“Efficacy of health information exchange using mobile tablet”</td>
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<td>Daigo Miyazaki, Shinshu University School of Medicine</td>
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<td>3</td>
<td>“Clinical applications of telerehabilitation for a child from physical therapist’s standpoint”</td>
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<td>Matsukiy Ayumi, Shinano Handicapped Children's Hospital</td>
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<td>4</td>
<td>“Long-term Effect of Telecare Intervention on Patients with Chronic Diseases”</td>
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<td>Yuji Akematsu, Osaka University</td>
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<td>5</td>
<td>“Region-contained Tele-nursing system in a large snowbound area”</td>
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<td>Hiromi Kikuchi, Sapporo City University</td>
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<td>6</td>
<td>“Effective Use of a Tablet Terminal in the Visiting Nurse Works”</td>
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<td>Kanako Ishii, University of Hyogo</td>
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## SIG Life monitoring

**Chair** Ryoji Suzuki  
**Gunma University Hospital**

1. “Problem of Monitoring in Home Telecare”  
Ryoji Suzuki, Gunma University Hospital

### Regional healthcare information sharing 1

**Chair** Eisuke Hanada  
**Shimane University Hospital**

1. “A trial of a multimedia telecommunication system for intractable disease teleconsultation”  
Eisuke Hanada, Shimane University Hospital

2. “Achievement of Tele-Ophthalmology utilizing Telemedicine Support System”  
Kazuomi Hanada, Asahikawa Medical University

3. “Educational use of Telemedicine microsurgery support system to Medical students”  
Reiko Kinouchi, Asahikawa Medical University

### Advanced Hospital Information Systems

**Chair** Kohji Uemura  
**Kagawa University**

1. “Expansion of EPR sharing system with SS-MIX2, XDS and XDS-I”  
Hiroshi Kondoh, Tottori University Hospital

2. “Ubiquitous Sensor Network Environment in Hospital using BT-AP Antenna”  
Tadamasa Takemura, University of Hyogo

### SIG Home care

**Chair** Takamasa Ohta  
**Ohta Hospital**

1. “Telemedicine Implementation to Niimi Area Medical Care”  
Takamasa Ohta, Ohta Hospital

2. “The multi-occupational description cooperation information-sharing base in Residential Medical care Liaison Center”  
Masami Fujiwara, NDS Corporation

### Advanced new technologies

**Chair** Akifumi Sakamoto  
**Oki Electric Industry Co., Ltd**

Isao Kimura, Thousand Success Consulting Inc.

Takeshi Umemoto, Fujitsu Kyusyu Network Technologies Limited
“Development of medication management and health management systems using a tablet phone”
Hiroki Matsumoto  Maebashi Institute of Technology

“Trial of DVTS connection by commercial networks in Japan for telemedicine”
Kuriko Kudo  Kyushu University Hospital

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October 19 Saturday

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Hall1: Small Hall 1/ Sunport Hall Takamatsu 4F

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09:00-10:00 JTTA Keynote Lecture 2
Chair  Testuo Sakamaki  Gunma University
“Telemedicine at the viewpoint of a home medical treatment practitioner”
Keigo Yasukawa  Toriden Shirakawa Medical Corporation

10:30-12:00 JTTA/JCS Joint Symposium/ Telemedicine for the Cardiovascular Diseases
Chair  Testuo Sakamaki  Gunma University
Yuichiro Saito  Gunma University
1  Tutsuyuki Manaka  Tokyo Women’s Medical University
2  Maiko Miura  Sakakibara Heart Institute
3  Hirosi Nonoki  Shizuoka General Hospital
4  Hiroyuki Kamata  Morioka Red Cross Hospital

13:00-14:00 JTTA Keynote Lecture 3
Chair  Kazuhiro Hara  Kagawa University
“On the policies of Medical Information Systems and unified ID System – Towards the construction of Electronic Health Records Systems-”
Kazuyuki Nakayasu  Ministry of Health, Labour and Welfare

14:00-15:00 Perinatal medicine with ICT
Chair  Toshihiro Ogasawara  Iwate prefectural Ofunato hospital
1  “A challenge utilizing data cooperation system of the medical information network “Ihatov” and electronic medical recording system for perinatal medicine”
Toshihiro Ogasawara  Iwate prefectural Ofunato hospital
2  “Cooperation utilizing web-based electric patient records in the metropolitan perinatal center”
Michiko Kido  Japanese Red Cross Medical Center, Dept. of Obstetrics and Gynecology
3  “Chiba Maternal transport system and perinatal electric health records”
Makoto Suzuki,  Kameda General Hospital
“Case Report of a mobile cardiotocogram in perinatal care in Amami Islands”
Rei Fujiyama Naze Tokushukai Hospital

15:30-16:30 Regional healthcare information sharing 2
Chair Takehiro Matsumoto Nagasaki University
1 “The telemedicine system for emergency medicine (k-support) in Kaifu Hospital: Analysis of 30 cases”
Fumiaki Obata Tokushima Prefectural Kaifu Hospital,
2 “The telemedicine and telecare supported system for Kaifu hospital (k-support) using mobile phone and internet - Contribution to early diagnosis and treatment for acute stroke -”
Teruyoshi Kageji Tokushima University Hospital
3 “The Development of the intelligent Remote diagnostic imaging system for the Emergent medicine, easy consultation and Teleradiology”
Takehiro Matsumoto Nagasaki University Hospital,
4 “Clinical Network with Personal Cloud Server for Cancer Surveillance Program”
Takayuki Asao Department of Cancer Therapy Innovation, Gunma University

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Hall2: Small Hall 2/ Sunport Hall Takamatsu 5F
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09:00-09:45 Surveillance of Influenza Pandemic
Chair Isao Nakajima Tokai University School of Medicine
1 “The detection and evaluation of the flapping of wings by the three axis accelerometer mounted on Japanese pheasant”
Toshihiko Kitano Tokai University School of Medicine
2 “Study on OOK modulation of the S-band Tx/Rx module for birds”
Leonid Androuchko Tokai University School of Medicine,
3 “A Development of Compact 4ch ECG Datalogger for Birds”
Isao Nakajima Tokai University School of Medicine

10:30-12:00 Life monitoring
Chair Masayuki Honda Nagasaki University Hospital
Ryoji Suzuki Gunma University Hospital
1 “Regional health supporting system based on networking between regional hospital and group-home”
Masayuki Honda Nagasaki University Graduate School of Biomedical Sciences
2 “A Fundamental Study on the Effect of Watching Home-care Patient using Life-log 2”
Kaori Fujimura NTT Secure Platform Laboratories
3 “Telemedicine using a Telecare System Composed of Commercially Available Equipment”
“Field test about the smart phone application development to improve quality of the communication of a medical worker and pregnant women”
Masatoshi Sugita NTT East Medical Center Tokyo

“A Fundamental Study on Methods for Detecting Change in Home-care Patient’s ADL by Monitoring Physical Activity Level”
Miho Ikeda NTT Secure Platform Laboratories