

3rd ADVANCED REHAB TECHNOLOGY CONFERENCE ARTeC 2017



6 – 7 Sep 2017
QSNCC · Bangkok, Thailand

Concurrent Exhibition:

For enquiries, please contact:

Jointly organized by:



6 - 8 Sep 2017

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**The Royal
College of
Physiatrists
of Thailand**



Conference Speakers



Hermano Igo Krebs, Ph.D.
Principal Research Scientist & Lecturer
Mechanical Engineering Department
MIT, USA



Eiichi Saitoh, M.D. DMSc
Professor and Chairperson
Department of Rehabilitation Medicine
School of Medicine, Fujita Health University
Japan



Kok Yang Tan, M.D.
Head & Senior Consultant, Department of
Surgery Clinical Director, Geriatric Surgery
Service Khoo Teck Puat Hospital
Singapore



Vilai Kuptniratsaikul, M.D.
Associate Professor
Department of Rehabilitation Medicine
Faculty of Medicine, Siriraj Hospital
Mahidol University Bangkok
Thailand



Witsanu Kumthornthip, M.D.
Assistant Professor
Department of Rehabilitation Medicine
Faculty of Medicine, Siriraj Hospital
Mahidol University Bangkok
Thailand



Viboon Sangveraphunsiri, Ph.D.
Professor
Regional Center of Robotics Technology
Faculty of Engineering
Chulalongkorn University Bangkok
Thailand



Pasin Israsena, Ph.D.
National Electronics and Computer
Technology Center (NECTEC)
Thailand



Winai Chonnaramutt, Ph.D.
National Electronics and Computer
Technology Center (NECTEC)
Thailand



Parit Wongphaet, M.D.
Assistant Professor
Head of Rehabilitation Medicine
Samrong General Hospital
Thailand



Chalermpon Punnotok
CEO
CT-Asia Robotics Co. Ltd,
Thailand

Workshop Speakers



Pattra Wattanapan, M.D.
Department of Rehabilitation Medicine,
Faculty of Medicine, Khon Kaen University,
Khon Kaen, Thailand



Pajeemas Kittipanya-ngam, M.D.
Department of Rehabilitation Medicine,
Faculty of Medicine, Khon Kaen University,
Khon Kaen, Thailand



Matana Kettratad, DDS, Ph.D.
Faculty of Dentistry, Thammasat University,
Bangkok, Thailand



Paitoon Benjapornlert, M.D.
Department of Rehabilitation Medicine,
Faculty of Medicine, Ramathibodi Hospital,
Mahidol University, Bangkok, Thailand



Sujittra Saentaweesoek, OTL
Department of Rehabilitation Medicine,
Faculty of Medicine, Khon Kaen University,
Khon Kaen, Thailand

Conference Programme

(session to be conducted in English)

6 Sep 2017

Time	Programme	Speaker
8.00	Registration	
8.45	Opening Remarks	Urairat Siriwatvejakul
9.00	Robotic Rehabilitation: From Analysis to Design to Assessment to Intervention	Hermano Igo Krebs
10.00	Coffee Break	
10.30	Robotic Rehabilitation in Japan	Eiichi Saitoh
11.30	Robot For Balance and Gait Training	Eiichi Saitoh
12.00	Lunch Break	
13.00	Symposium: Upper Extremity Robot for Neurorehabilitation	Hermano Igo Krebs Viboon Sangveraphunsiri Winai Chonnaparamutt
14.30	Coffee break	
15.00	Symposium: Locomotion Robotic Training for Neurorehabilitation	Hermano Igo Krebs Eiichi Saitoh Witsanu Kumthornthip Parit Wongphaet
16.30	Q & A	

7 Sep 2017

Time	Programme	Speaker
8.00	Registration	
9.00	Swallowing Problems in Elderly	Eiichi Saitoh
10.00	Coffee Break	
10.30	Sarcopenia in Elderly: Which Therapy Could Delay it?	Vilai Kuptniratsaikul
11.00	Technology for Post-surgical Recovery	Kok Yang Tan
11.30	Lunch Break	
13.00	BCI for Dementia and Neurorehabilitation	Pasin Israsena
13.30	BCI Demonstration	Pasin Israsena
14.00	Let's Innovate: Necessities, Possibilities and Experience	Chalermpon Punnotok, CEO of CT-Asia Robotics Co. Ltd, Inventor of Dinsow Health Care Robots
14.30	Q&A	
15.00	Closing Remarks - Followed by Coffee Break	

Dysphagia Workshop

(For Thai delegates only)

7 Sep 2017

Time	Programme	Speaker
8.00	Registration	
9.00	Swallowing Problems in Elderly (<i>participants attend this topic in main conference</i>)	Eiichi Saitoh
10.00	Coffee Break	
10.30	Symposium: Swallowing Rehabilitation for the Future	Pattra Wattanapan Paitoon Benjapornlert Matana Kettratad Sujittra Saentaweesook
12.00	Lunch Break	
13.00	Workshop for Dysphagia Evaluation and Management WS1: Clinical Evaluation for Dysphagia WS2: Instrumental Evaluation for Dysphagia WS3: Direct Therapy and NMES for Dysphagia Management WS4: Oral Health Care for Patient with Dysphagia WS5: Indirect Therapy and Biofeedback for Dysphagia	Pajeemas Kittipanya-ngam Paitoon Benjapornlert Pattra Wattanapan Matana Kettratad Sujittra Saentaweesook
16.00	Q & A	

“ It is my privilege to announce that the **3rd ARTeC (Advanced Rehab Technology Conference)** will be held alongside MEDICAL FAIR THAILAND in September 2017. Through the strong collaboration between Messe Düsseldorf Asia, Royal College of Psychiatrists of Thailand and Thai Rehabilitation Medicine Association, ARTeC has become a regular international event that encourages mind-share on high quality rehabilitation through new technologies.

Addressing the growing challenges of an aging society in Thailand, and in many other Asian countries, ARTeC 2017 will bring together experts from the region and internationally for a thought-provoking discussion around the theme of 'Robotics for Mobility : Quality of Life for the Aging World'

It is my pleasure to invite you to join our community with dedication towards better and healthier future for all.

I look forward to welcoming you to ARTeC 2017! ”



Urairat Siriwatvejakul, M.D.

President
The Royal College of
Psychiatrists of Thailand

About ARTeC

Returning for the 3rd edition, the Advanced Rehab Technology Conference will emphasise innovative and effective technological solutions that could decrease mobility related disabilities, reduce related complication and improve quality of life. Gathering experts from around the world, the ARTeC 2017 will explore topics on robotic transfer system, robotic arm training devices, robotic gait training and wearable devices.

Who should attend ARTeC 2017?

ANYBODY who is looking for new ideas, connection and collaboration which empower creation and application of novel solutions in rehabilitation medicine should attend, especially the following professionals:

- **Rehabilitation Doctor**
- **Physical Therapist**
- **Occupation Therapist**
- **Hospital Administrator**
- **Engineer**
- **Inventor**
- **Investor**



8th International Exhibition on Hospital, Diagnostic, Pharmaceutical, Medical & Rehabilitation Equipment & Supplies

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Do not miss this premier exhibition where industry professionals discover up-to-date technologies and the latest in medical and healthcare solutions.