



Translating breakthrough academic research into real-world medical innovation

**The 2<sup>nd</sup> Innovation and Networking in Medical Device International Conference (iMEDEV 2026) &  
The 9<sup>th</sup> Japan-Thailand Bilateral Symposium on Convergent Innovation for Sustainable Health  
NextGen Science Forum:(Undergrad & High School Students)**

**Date:** October 14-16, 2026

**Venue:** Chatrium Ballroom 4<sup>th</sup> Floor, Chatrium Hotel Riverside Bangkok, Thailand

**Organized by:** Suranaree University of Technology (SUT), Mahidol University (MU)  
Prince of Songkla University (PSU), Khon Kaen University (KKU), Hirosaki  
University, Japan, Kindai University, Japan, and Office of the Permanent Secretary, Ministry  
of Higher Education, Science, Research and Innovation (OPS, MHESI)

### **Day I: October 14, 2026**

- 09:00 - 12:00     **Networking & Workshop Session I**
- 12:00 - 13:00     *Lunch*
- 13:00 - 15:30     **Collaborative Site Visit**  
Center for Biomedical and Robotic Technology (BART LAB), Faculty of  
Engineering, Mahidol University
- 18:00 – 21:00     **Networking & Workshop Session II & Dinner**  
*Visiting Professors*

### **Day II: October 15, 2026**

- 07:00 - 08:00     **Registration**
- 08:00 - 08:30     **Welcome Address, Opening Remarks and Speech**  
**Reinventing Thai Universities: Perspectives from Policy, Research, and  
Industry**  
*Prof. Dr. Yodchanan Wongsawat*  
*Deputy Prime Minister and Minister of Higher Education, Science, Research  
and Innovation (MHESI)*
- 08:30 - 09:00     **Memorandum of Understanding (MOU) Signing,  
Certificate Presentation Ceremony**  
*The Minister and The Permanent Secretary of MHESI, Presidents of SUT, MU,  
KKU and PSU, the Secretary-General of NHSO, the Executive Director of  
PMU-B, and National Cheng Kung University, Taiwan*

**October 15, 2026 (continued)**

- 09:00 - 10:00 **University policies in Medical Device Development**
- **Prof. Dr. Supachai Pathumnakul**, The Permanent Secretary of Higher Education, Science, Research and Innovation (MHESI)
  - **Prof. Chagriya Kitiyakara, MBBS (Lond). FRCP**, Vice President for Research of Mahidol University
  - **Assoc. Prof. Dr. Sittichai Seangatith**, Acting Rector of Suranaree University of Technology
  - **Assoc. Prof. Chiranut Sa-Ngiamsak**, Assistant to the President for Research and Innovation of Khon Kaen University
  - **Asst. Prof. Dr. Niwat Keawpradub**, President of Prince of Songkla University
- Moderator**  
**Assoc. Prof. Dr. Krajang Talabnin**, Suranaree University of Technology
- 10:00 - 10:40 *Coffee Break and Medical Device Exhibition (Exhibition open 08:00–18:00, Foyer)*
- 10:40 - 11:00 **Memorandum of Understanding (MOU) Signing Ceremony**  
*Suranaree University of Technology, ~~Suratech Company~~, Samitivej Hospital*
- 11:00 - 11:20 **Keynote Speech:**  
**Reinventing Taiwan Universities: Perspectives from Research and Industry**  
**Prof. Dr. Fong-Chin Su**, National Cheng Kung University, Taiwan (NCKU)
- 11:20 - 11:40 **Keynote Speech:**  
**Funding the Frontier: Funding Strategies for Building National Capability for Frontier Research and Future Industry**  
**Dr. Nirawat Thammajak**, Executive Director, Program Management Unit for Frontier Brainpower and Future Industries (PMU-B)
- 11:40 - 12:30 **Plenary Discussion “Medical Device: Use cases”**
- **Assoc. Prof. Jakkrit Klaphajone, M.D.** Chiang Mai University
  - **Jaruat Jumpa, M.D.**, Trang Hospital
  - **Chawit Methabut, M.D.**, Director of Luang Por Koon Paritsuttho Hospital
  - **Dr. Atthaporn Limpanyaklers, Deputy**, Secretary-General, NHSO Spokesman, National Health Security Office (NHSO)
  - **Mr. Winit Ritshima**, President of Orthopeasia Co., Ltd.
  - **Mr. Sutee Triviatwong**, Chairman, Committee of Medical Device Manufactures Industry Club, Federation of Thai Industries
- Moderator**  
**Assoc. Prof. Dr. Soodkhet Pojprapai**, Suranaree University of Technology, Thailand
- 12:30 - 13:30 *Lunch & Poster presentation*

**October 15, 2026** *(continued)*

13:30 - 14:00 **Keynote Speech:**

**Current trends on Radon Research in Asia and Oceania**

*Prof. Dr. Shinji Tokonami, Hirosaki University, Japan*

## **Real-world medical innovation**

14:00 - 14:10 **AI-based Biomedical Engineering**

*Prof. Dr. Ashish Mathur, The University of Petroleum and Energy Studies (UPES), Dehradun, India*

14:10 - 14:20 **Designing the Future of Eldercare: Next-Generation Medical Devices for Aging Populations**

*Prof. Dr. Jeung Jihong, Tsinghua University, China*

14:20 - 14:30 **Robotic Surgery and Biomedical Engineering**

*Assoc. Prof. Dr. Jackrit Suthakorn, Mahidol University, Thailand*

14:30 - 14:40 **Radionuclide Metrology for Emerging Medical Radionuclides: Measurement Techniques Supporting Targeted Radionuclide Therapy**

*Prof. Dr. Takahiro Yamada, Kindai University, Japan*

14:40 - 14:50 **Neurorehabilitation Technologies: Translating Brain Stimulation, Robotics and Virtual Reality into Clinical Practice**

*Prof. Dr. Jodie Marquez, University of Newcastle, Australia*

14:50 - 15:00 **Patient-Specific Medical Devices through Biomechanical Simulation and 3D Printing: A Thai University Case Study**

*Dr. Atichart Kwanyuang, Prince of Songkla University, Thailand*

15:00 - 15:10 **Lab-on-a-Chip Diagnostics: Integrating Nanomaterials and Microfluidics into Point-of-Care Medical Devices**

*Assoc. Prof. Dr. Krishna Kant, Bennett University, India*

15:10 - 15:20 **From Calcium Signaling to Cancer Diagnostics: Molecular Imaging as a Platform Technology for Next-Generation Medical Devices**

*Prof. Dr. Wen-Tai Chiu, National Cheng Kung University, Taiwan*

15:20 - 15:30 **Antibodies Meet Medical Devices: From Discovery to Smart Diagnostics**

*Prof. Pharm. Dr. Montarop Yamabhai, Suranaree University of Technology, Thailand*

*Serving refreshments during a meeting*

**October 15, 2026 (continued)**

- 15:30 - 16:00 **Keynote Speech:**  
**Geological and Environmental Controls on  $^{222}\text{Rn}$  and  $^{220}\text{Rn}$  Exhalation Rates from Soil Surfaces across Japan**  
*Prof. Dr. Masahiro Hosoda, Hirosaki University, Japan*
- Convergent Innovation for Sustainable Health**
- 16:00 - 16:10 **Accurate determination of long lived radionuclides by tandem quadrupole ICP-MS.**  
*Prof. Dr. Hirofumi Tazoe, Hirosaki University, Japan*
- 16:10 - 16:20 **Integrated Initiatives in Tritium Monitoring, Risk Communication, and Capacity Building**  
*Asst. Prof. Dr. Ryohei Yamada, Hirosaki University, Japan*
- 16:20 - 16:30 **Transparent and Flexible X-ray Shielding Materials: Advancements and Future Industrial Applications**  
*Dr. Ryoma Tokonami, SANKEN, Osaka University, Japan*
- 16:30 - 16:40 **Glycan-Based Biomarkers for Cholangiocarcinoma: Translating Discovery into Diagnostic Tools for Endemic Regions**  
*Assoc. Prof. Dr. Atit Silsirivanit, Khon Kaen University, Thailand*
- 16:40 - 16:50 **From Stem Cell Models to Health System Readiness: Convergent Innovation for Neurodegenerative Disease in an Aging Asia**  
*Asst. Prof. Dr. Sopak Supakul, Fujita Health University, Japan*
- 16:50 - 17:00 **Technology-Assisted Assessment and Treatment of Dysphagia: Devices and Evidence in Neurorehabilitation**  
*Prof. Dr. Zulin Dou, M.D., Tsinghua University, China*
- 17:00 - 17:10 **Speech and Language Technologies as Assistive Devices: AI for Communication Disorders and Accessibility**  
*Assoc. Prof. Dr. Virender Kadyan, The University of Petroleum and Energy Studies (UPES), India*
- 17:10 - 17:20 **Clinical Movement Analysis as a Validation Engine: Turning Rehabilitation Prototypes into Trusted Medical Devices**  
*Asst. Prof. Dr. Pornsuree Kuvijitsuwan, Chiang Mai University, Thailand*
- 17:20 - 17:30 **Deep tech Startup for Social Enterprises**  
*Assoc. Prof. Dr. Soodkhet Pojprapai, Founder / CEO of SURATEC and Surazense, Suranaree University of Technology, Thailand*
- 18:00 - 22:00 **Networking & Dinner Talk**  
*Assoc. Prof. Dr. Krajang Talabnin, Suranaree University of Technology*  
 Project Manager of Frontier Research and Innovation Networking for Medical Devices Development.

**Day III: October 16, 2026**

09:00 - 16:00    **Networking & Workshop Session III**  
*Visiting Professor*

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**Contact Information:**

For further inquiries, please contact the iMEDEV 2026 Secretariat at:  
Assoc. Prof. Dr. Krajang Talabnin, Suranaree University of Technology  
Email: [krajang.t@sut.ac.th](mailto:krajang.t@sut.ac.th), Phone: +66 4422 4758, +66 81 574 3117

**Website iMEDEV2026 and Registration:**

<https://ird.sut.ac.th/reinventing-university>



iMEDEV2026

**We look forward to your participation in iMEDEV 2026**

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