

The Agenda of Seminar on “Particle Accelerators and Applications in Thailand”
24th – 25th November 2023
At Mandarin Hotel Bangkok

November 24, 2023 (Friday)

- Morning** 08.30 – 09.00 **Registration**
- 09.00 – 09.15 **Welcome**
 by Assist. Prof. Dr. Burin Asavapibhop
 Thailand Science Research and Innovation (TSRI)
- 09.15 – 09.30 **Opening Remarks**
 by Prof. Dr. Pairash Thajchayapong
 Secretary of the Information Technology Foundation under the
 Initiation of Her Royal Highness Princess Maha Chakri Sirindhorn
- 09.30 – 09.45 **Photo session**
- 09.45 – 10.15 **Topic: Utilization of synchrotron light source: from the SLRI Siam
Photon Source towards the 3.0 GeV synchrotron light source**
 by Assist. Prof. Dr. Supagorn Rugmai
 Deputy Director for Operation and Beamline Utilization
 Synchrotron Light Research Institute (Public Organization) (SLRI)
- 10.15 – 10.30 **Tea and coffee break**
- 10.30 – 11.00 **Topic: Applications of synchrotron radiation in food and
agriculture**
 by Dr. Siriwan Nawong
 Beamline Scientist
 Synchrotron Light Research Institute (Public Organization) (SLRI)
- 11.00 – 11.30 **Topic: The solution for battery development using synchrotron
radiation**
 by Dr. Pinit Kitkhunthod
 Head of Synchrotron Research and Applications Division
 Synchrotron Light Research Institute (Public Organization) (SLRI)
- 11.30 – 12.00 **Discussion**

November 24, 2023 (Friday)

- Afternoon 12.00 – 13.00 **Lunch**
- 13.00 – 13.30 **Topic: Development of linear accelerator and infrared free-electron lasers at Chiang Mai University**
by Asst. Prof. Dr. Sakhorn Rimjaem
Department of Physics and Materials Science,
Faculty of Science, Chiang Mai University
- 13.30 – 14.00 **Topic: Utilization of infrared free-electron lasers at Kyoto University (Online)**
by Assoc. Prof. Dr. Heishun Zen
Kyoto University Free electron Laser, Kyoto University, Japan
- 14.00– 14.30 **Topic: Utilization of Infrared and terahertz free electron lasers at FELIX Laboratory (Online)**
by Prof. Dr. Britta Redlich
FELIX Laboratory, Radboud University, The Netherlands
- 14.30– 15.00 **Discussion**
- 15:00– 15:15 **Tea and coffee break**
- 15.15– 15.45 **Topic: Utilization of electron accelerators in agriculture and industry at Thailand Institute of Nuclear Technology**
by Naruemon Neramitmansook
Head of analytical section, Irradiation Center
Thailand Institute of Nuclear Technology (Public Organization)
(TINT)
- 15.45– 16.15 **Topic: Development of linear accelerator for research, agricultural and industrial purposes at Synchrotron Light Research Institute**
by Dr.Keerati Manasatitpong
Synchrotron Light Research Institute (Public Organization) (SLRI)
- 16.15 – 16.45 **Discussion**
- 18.00 – 20.00 **Working Dinner**

November 25, 2023 (Saturday)

- Morning**
- 08.30 – 09.00 **Registration**
- 09.00 – 09.45 **Topic: Proton therapy and FLASH experiment**
by Dr. Martin Grossmann Handschin
Paul Scherrer Institute (PSI), Switzerland
- 09.45 – 10.15 **Topic: Proton therapy in Thailand**
by Assist. Prof. Chakkapong Chakkabat
Head of Thai Board of Radiation Oncology
Chulalongkorn Hospital-Thai Red Cross Society
- 10.15 – 10.45 **Discussion**
- 10.45 – 11.00 **Tea and coffee break**
- 11.00 – 11.30 **Topic: Development of a proton computed tomography**
by Dr. Narongrit Ritjoho
School of Physics, Institute of Science
Suranaree University of Technology
- 11.30 – 12.00 **Topic: Application of cyclotron accelerator for pharmaceutical radioisotope production**
by Moleephan Dangprasert
Manager of Radioisotope center
Thailand Institute of Nuclear Technology (Public Organization)
- 12.00 – 12.30 **Discussion**
- 12.30 – 13.30 **Lunch**
- Afternoon**
- 13.30 – 14.10 **Topic: Development and applications of ion accelerators for research, agriculture, and industry**
By Dr. Saweat Intarasiri
Multidisciplinary Research Institute, Chiang Mai University
and
Dr. Jiranat Techarang
Thailand Center of Excellence in Physics

November 25, 2023 (Saturday)

Afternoon 14.10 – 14.40 **Topic: Development of accelerator mass spectrometry for archaeological studies**

by Assoc. Prof. Dr. Prayoon Songsiritthigul

School of Physics, Institute of Science, Suranaree University of
Technology

14.40 – 15.10 **Discussion**

15.10 – 15.30 **Tea and coffee break**

15:30 – 16:30 **Discussion and brainstorm on the development and applications of particle accelerator technology in everyday life**

Conducted by Assoc. Prof. Dr. Prayoon Songsiritthigul

School of Physics, Institute of Science

Suranaree University of Technology

16.30 **Closing the seminar**
