

Announcement of the 1st PHITS Tutorial in Thailand

Place: Faculty of medicine and public health, HRH Princess Chulabhorn College of Medical Science (PCCMS), Chulabhorn Royal Academy
Kampangpetch 6 Road, Talat Bang Khen, Lak Si, Bangkok 10210
http://www.pccms.ac.th/?page_id=368

Date: 2018 Jul. 11-13

Deadline for registration: 2018 May 31

Fee: 100 USD (for venue/lunch/coffee break/reception)

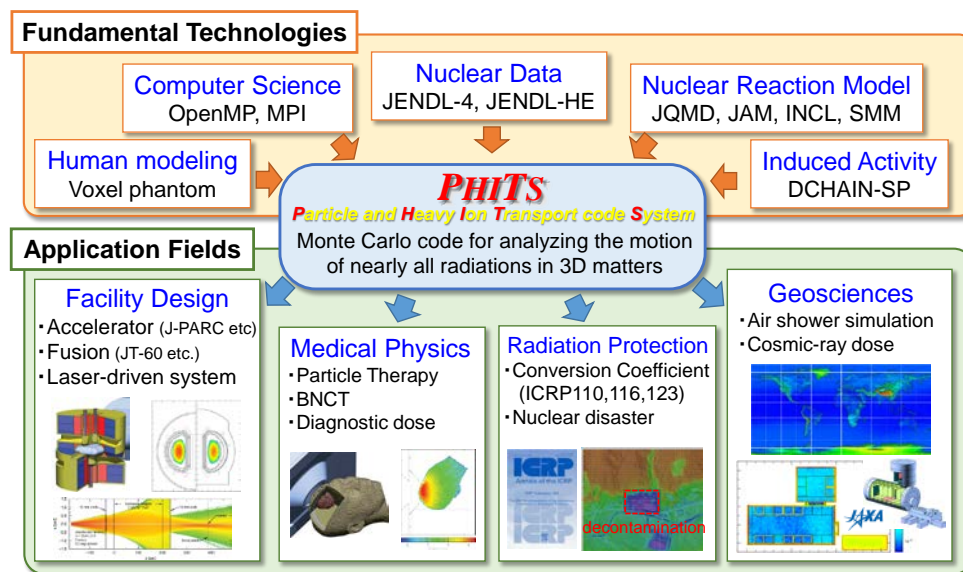
Language: English

Eligibility for participation: None (Open to everybody¹)

Lecturer: Dr. Tatsuhiko Sato, Leader of PHITS development team (JAEA)

Organizer: Dr. Thiansin Liamsuwan (PCCMS)

PHITS is a general purpose Monte Carlo particle transport simulation code developed under collaboration between Japan Atomic Energy Agency (JAEA) and several institutes all over the world. It can deal with the transport of nearly all particles over wide energy ranges, using several nuclear reaction models and nuclear data libraries. PHITS can support your researches in the fields of accelerator technology, radiotherapy, space radiation, and in many other fields which are related to particle and heavy ion transport phenomena. See PHITS website in more detail. (<http://phits.jaea.go.jp>)



¹ The distribution of the PHITS code is controlled by Japanese law, and we may not be able to accept the participation from some non-OECD/NEA member countries.

Attendees must submit the application form to obtain the license of PHITS in prior to the course (the form will be provided later) and bring a laptop PC with either Windows or Mac OS. During the course, they will learn the basic usage of PHITS such as the construction of 3D geometry and the definition of source particles and tallies. Then, they will learn some advanced usages such as the construction of a voxel phantom from a CT image. At the end of the course, they will be encouraged to conduct PHITS simulation for their own purpose under support of lecturer. There is no particular skill that should be learned in prior to attending this course.

If you are interested in the course, please Email to phits-office@jaea.go.jp with your information (Affiliation, Address, Citizenship).

Tentative Program

Wednesday 11 July

8:00-8:45: Registration

8:45-9:15: Open ceremony

9:15-10:45: Introduction and Installation

10:45-11:00: Break

11:00-12:00: Basic Lecture (input format)

(lunch)

13:30-14:30: Basic Lecture (geometry & source definition)

14:30-15:00: Break

15:00-17:00: Basic Lecture (tally definition)

(reception)

Thursday 12 July

9:00-10:45: Basic Lecture (parameter setting)

10:45-11:00: Break

11:00-12:00: Exercise (stop α , β , γ -rays & neutron)

(lunch)

13:30-14:30: Exercise (melt snowman by proton beam!)

14:30-15:00: Break

15:00-17:00: Advanced Lecture (useful functions)

Friday 13 July

9:00-10:45: Advanced Lecture (complicated source definition)

10:45-11:00: Break

11:00-12:00: Advanced Lecture (DICOM2PHITS, voxel phantom)
(lunch)

13:30-14:30: Practical Simulation for Each Participant

14:30-15:00: Break

15:00-17:00: Practical Simulation for Each Participant