Second International Summer School on ENGINEERING COMPUTER MODELING 3 – 14 July 2017 MEPhI, Moscow, Russia

The school on “Engineering computer modeling” is a certificate course aiming to provide specialized education and training on mathematical modeling of physical processes. It also addresses the issue of multiple simultaneous physical phenomena modelling (Multiphysics). The course introduces modern Russian engineering codes (MCU, FlowVision, Fidesys, Logos) and focuses on the application of the codes for various problems (simple and complex). The culmination of the School is calculation of Multiphysics problem (neutronics - thermal hydraulics - thermal mechanics).

School structure: First week – one theoretical session and four sessions of programs (MCU, FlowVision, Fidesys, Logos). Second week – training and exercises with consultations (calculation of Multiphysics problem).

Engineering codes: CFD code FlowVision deals with issues of aero- and hydrodynamics. CAE-system Fidesys is aimed to perform analysis of firmness. MCU – modelling of radiation transport (neutrons, gamma radiation, electrons, positrons) in three-dimensional media with the use of Monte-Carlo method. Logos is a package of software, which allows simulating aerodynamic processes, hydro and gas dynamics, distribution of heat in solids, radiation transfer, and flow in porous media.

Participants: Young professionals, postgraduates (master’s and doctoral students) from nuclear field or/and involved in computer modeling of physical processes (under 35 years old).

Working language: English.

Participation is free of charge.
Please apply through the website!

ORGANIZERS
- MEPhI mephi.ru/eng/
- TESIS tesis.com.ru/
- FIDESYS cae-fidesys.com/ru
- MCU mcuproject.ru/

REGISTRATION
1 January – 15 April, 2017

NOTIFICATION
till 15 May, 2017

DURATION
3 – 14 July, 2017

WEBSITE
http://confer.mephi.ru/eng/event/4171/

CONTACTS
Georgy Tikhomirov, executive director, Institute of Nuclear Physics and Engineering, National Research Nuclear University “MEPhI”
31 Kashirskoe Shosse, 115409, Moscow, Russia

EMAIL
GVTikhomirov@mephi.ru
Rynatb@gmail.com

TELEPHONE
+7 495 788 56 99 (ext. 9364)
+7 925 846 28 14 (mobile)