

### 東京都市大学との共同研究成果

1. Naoyuki Takaki, Hiroki Takezawa, Soma Nakamura, Peng Hong Liem, “Demonstration experiment of nuclear alchemy “mercury into gold” using Indonesian research reactor RSG-GAS,” International Conference On Advances In Nuclear Science And Engineering (ICANSE 2018), Bandung, Indonesia (November 2018).
2. Liem Peng Hong, Yoshihisa Tahara, Naoyuki Takaki, “Preliminary Investigation on the Concave Cores Sodium Fast Reactor with Near-Zero or Negative Sodium Void Reactivity,” The 6th International Conference on Nuclear and Renewable Energy Resources (NURER2018), Ramada Plaza, Jeju, South Korea (September 2018).
3. Soma Nakamura, Peng Hong Liem, Naoyuki Takaki, “Preliminary Analysis of ‘Nuclear Alchemy’ Demonstration Experiment to Generate Gold from Mercury,” Annual Meeting of the Atomic Energy Society of Japan (September 5-7, 2018), Okayama University, Okayama, Japan.

### 筑波大学との共同研究成果

1. Kenta Takada, Hiroaki Kumada, Liem Peng Hong, Hideyuki Sakurai, Takeji Sake, “Development of Monte Carlo Based Real-Time Treatment Planning System With Fast Calculation Algorithm for Boron Neutron Capture Therapy,” Physica Medica 32(12) (November 2016), pp.1846-1851
2. Kenta Takada, Hiroaki Kumada, Liem Peng Hong, Hideyuki Sakurai, Takeji Saka, “Initiatives for the Realization of Fast Calculations in the Treatment Planning of Boron Neutron Capture Therapy,” Monte Carlo Workshop Program for Radiotherapy, Imaging and Radiation Protection, University of Wollongong, Australia (April 28-30, 2016).

### インドネシア原子力庁、ベトナム **DuyTan** 大学、アラブ首長国連邦 **Sharjah** 大学、大韓民国 **KAIST** との共同研究成果

1. Peng Hong Liem, Tagor Malem Sembiring, Hoai-Nam Tran,” Evaluation on fuel cycle and loading scheme of the Indonesian experimental power reactor (RDE) design,” Nuclear Engineering and Design 340 (2018), pp. 245-259.
2. Peng Hong Liem, Tukiran Surbakti, Donny Hartanto, “Kinetics parameters evaluation on the first core of the RSG GAS (MPR-30) using continuous energy Monte Carlo method,” Progress in Nuclear Energy 109 (2018), pp. 196-203.
3. Peng Hong Liem, Donny Hartanto and Yonghee Kim, “Impact of New Evaluated Nuclear Data Libraries on Core Characteristics of Innovative Reactor Designs,” Progress in Nuclear Energy 87 (2016), pp. 74-88