

Masahiko Nakase Lab.



Science x Engineering x Digital Innovative Nuclear Energy System

Laboratory for Zero-Carbon Energy

http://www.zc.iir.titech.ac.jp/~m.nakase/

- Establish the innovative nuclear energy system
- Integration & optimization of nuclear fuel cycle
- Fukushima Reconstruction & revitalization
- Chemistry of actinides & medical RIs

To achieve a zero-carbon society by 2050, the utilization of nuclear energy is important. Nuclear power is not only used for electricity generation but also has potential in various fields, such as carbon-free hydrogen production and medical use. We aim to solve the difficult problems in nuclear energy by <u>an integrated</u> <u>approach: Science × Engineering × Digital technologies</u>. Finally, we aim to realize a better society by constructing a new nuclear energy system.

