

Application
deadline
May 23rd, 2022

Nuclear Power in the Energy Transition

SUMMER SCHOOL on NUCLEAR REACTORS
Physics, Fuels and Systems

Aix-en-Provence, France
August 24th > September 2nd 2022



Lecturers

Staffan Qvist (Qvist Consulting)
Henk Krijnen (Navincerta)
Guillaume Martin (CEA)
Vincent Mazauric (Schneider Electric)
Gérald Vignal (RTE)
Philippe Paulin (EDF)
Jinzhao Zhang (Tractebel-Engie)
Tim Abram (Manchester University)
Thomas Jordan (KIT-ITES)
Harri Tuomisto (Fortum)
Jacopo Buongiorno (MIT)
Eric Ingersoll (Synergetic)
Jean-Paul Calvet/Martin Lavier
(members of The Shifters association)

Program outline

- Introduction on the Energy Transition Drivers (2 h)
- Energy Scenario Planning Methods (5 h)
- Power Plants and Grid Stability (7 h)
- Flexible Operation of Nuclear Reactors (10 h)
- Nuclear Power-to-X: Hydrogen Production, Process Heat, Synthetic Fuels (9 h)
- Seminar: The hard reality of carbon neutrality (3 h)
- Group activities (6 h)
- Technical visits of CEA Cadarache facilities

School jointly organized by



&



Website: www.fjohss.eu
Contact: fjoh@cea.fr

Extra-curricular activities and a week-end program will be organized.
Full registration fees including lodging and food: €2200.
Reduced fees for fellowship recipients: €1100.

