



# Generation IV reactors fuel cycle

## First INSPYRE school May 13-17, 2019, Delft (NL)

The school, designed for graduate students, young scientists and professionals, will give a comprehensive overview of the nuclear fuel cycle for next generation nuclear reactors.

It will cover key aspects of chemistry, physics and materials science involved in each stage of the fuel cycle, with a particular focus on the challenges of oxide fuels.

### Courses and tutorials

- Generation IV systems and closed fuel cycle
- Fuel manufacturing and qualification
- Detailed fuel characterization
- In-reactor behaviour
- Multiscale modelling & fuel performance codes
- Fuel reprocessing and recycling



**Visit of the research reactor**  
at the Reactor Institute Delft.



**GENIORS**

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### Organizing committee

Anna L. Smith - TU Delft  
Philippe Martin - CEA

### Advisory committee

Marjorie Bertolus - CEA  
Stephane Bourg - CEA  
Pär Olsson - KTH

**Registration deadline**  
**15 January 2019**



[www.eera-jpnm.eu/inspyre](http://www.eera-jpnm.eu/inspyre)



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