

Fellowship application form in TCOFF2/NEST

OECD/NEA TCOFF2/NEST projects call for fellowship in the following manner.

- **Application deadline:** 1st June 2025
- **Notification to successful applicants:** 1st July 2025
- **Duration:** from 3 to 12 months
- **Objective:** To develop expertise in the field of thermodynamics applied to materials science dedicated to severe accident applications.
- **Programs:** Applicants requested to select one from the CEA, KIT and KTH fellowship programs.
- **How to apply:** Applicants should send the application form (with a CV and a motivation letter (max. one page)) to Daniel Shepherd:
Daniel.SHEPHERD@oecd-nea.org
- **Selection criteria:** The selection will be made based on the adequacy of the scientific profile and interests of the candidates with the proposed fellowship. The receiving organisation and TCOFF2/NEST Core Group will conduct interviews as needed and propose their selection to the TCOFF-2 project and the decision will be endorsed by the TCOFF-2 Management Board.
- **Total budget:** Max. three students will be financially supported by this program (max. 7,500 Euro/person) for the transportation and accommodation.

Name of Applicant		
Education Level (Post-Doc, PhD, MSc)		
Name of Organisation/University		
Current Residence of Applicant (Country, State, City)		
Desired Programs (Select one from CEA, KIT, KTH programs) ^{#1}		
Desired period (3 ~ 12 months) ^{#2}	(MM/YYYY) ~ (MM/YYYY)	
Motivation (max. one page)		

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Remarks:

#1: Programs

- (1) Karlsruhe Institute of Technology (KIT), Institute for Applied Materials IAM-AWP, Germany, "Experiments on high-temperature oxidation and degradation of ATF cladding materials", 3-12 months duration, supervised by Dr. Martin Steinbrück
- (2) Kungliga Tekniska Högskolan (KTH), Division of Nuclear Power Safety, Sweden, "Thermodynamic modelling of the corium systems included in SIRT (System Identification and Ranking Table)", 6-12 months duration, supervised by Dr. Andrei Komlev
- (3) Kungliga Tekniska Högskolan (KTH), Department of Chemistry (Nuclear Chemistry group), Sweden, "Radiation induced dissolution of model corium", 6-12 months duration, supervised by Prof. Mats Jonsson
- (4) Commissariat a l'énergie atomique et aux énergies alternatives (CEA), Cadarache Research Center, IRESNE Institute, DTN, SMTA, Severe accident experimental laboratory, France, "Experimental support to thermodynamic calculations for severe accident studies and/or accident tolerant fuel", 3-12 months duration, supervised by Drs. Jules Delacroix, Pascal Piluso, Andrea Bachrata

#2: Duration of stay

The fellowship stay requested to be terminated by end of Aug 2026.