

# Report of Best Student Paper Awards Committee

## Committee members

**N.Z. Cho (Chair),**

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CEA, France

# Third Prize

## Measurement of fission rate ratios in fresh $\text{UO}_2$ fuel utilising short-lived high-energy gamma activity

**H. Kröhnert<sup>a,\*</sup>, M. F. Murphy<sup>a</sup>, G. Perret<sup>a</sup>, M. Plaschy<sup>b</sup>,  
J. Wagemans<sup>c</sup>, R. Chawla<sup>a,d</sup>**

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# Second Prize

## **Investigating the minimum achievable variance in a Monte Carlo criticality calculation**

**Stavros Christoforou , J. Eduard Hoogenboom**

Delft University of Technology, Mekelweg 15, 2629 JB Delft,  
The Netherlands

# First Prize

## **Calculation of the thermal neutron scattering cross section of alpha quartz**

**Brian Hehr, Ayman Hawari\***

Department of Nuclear Engineering, North Carolina State University,  
Raleigh, USA