

Jordan University of Science and Technology
Nuclear Engineering

Name & Academic Rank:

Rabie Abdullah Abu Saleem
Assistant Professor

Degrees with fields, institution, and date:

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|--------------------------------|---|------|
| • Ph.D. Nuclear Engineering | University of Illinois at Urbana-Champaign | 2014 |
| • M.Sc. Nuclear Engineering | University of Illinois at Urbana-Champaign | 2011 |
| • B.Sc. Mechanical Engineering | Jordan University of Science and Technology | 2007 |

Years of Service on JUST, Nuclear Engineering Department:

3 years.

Date of Original Appointment: February, 9, 2015.

Other Related Experience-Teaching, Industrial, etc.

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|---|---------------------|
| • Assistant Professor, Nuclear Engineering Department, JUST | Feb 2015 - Present |
| • Research Assistant, University of Illinois | Jan 2012 – Jan 2015 |
| • Research Intern, Center for Space Nuclear Research, INL | Jun 2011 – Aug 2011 |
| • Piping Engineer, Consolidated Contractors Int. Company | Nov 2007 – Jul 2008 |
| • Teaching Assistant, German Jordanian University | Mar 2007 – Nov 2007 |

Consulting, Patent, etc.:

- None

Principal Publications of the Last Five Years:

- R. Abu Saleem, T. Kozlowski, “A Solver for Two-Phase Two-Fluid Model Based on a high Resolution Total Variation Diminishing Scheme”, Submitted for the Journal of Nuclear Engineering and Design. 2016.
- R. Abu Saleem, T. Kozlowski, “Development of High-Resolution Total Variation Diminishing Scheme for Linear Hyperbolic Problems”, Submitted for Journal of Computational and Applied Mathematics. 2016.
- R. Abu Saleem, T. Kozlowski, “Development of Accurate and Stable Two-Phase Two-Fluid Model Solver”, Proc. of International Congress on Advances in Nuclear Power Plants (ICAPP’14), Charlotte, USA (2014).
- R. Abu Saleem, R. Uddin, “Effective Thermal Conductivity of Binary Mixed Materials with and Without Heat Generation-An Empirical Approach,” Proc. of International Congress on Advances in Nuclear Power Plants (ICAPP’12), Chicago, USA (2012).

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Scientific and Professional Societies:

- Jordan Engineers Association, Jordan.
- American Nuclear Society, USA.

Scholarships, Honors, Prizes, Awards & Juries:

- None

Institutional and Professional Services in the Last Five Years:

- None

Professional Development Activities in the Last five Years:

- e-Training Course on developing e-Learning content, organized by the Korea Atomic Energy Research Institute, 2015.
- Experimental and Validation (MeV) summer school, Idaho National Laboratory, USA, 2014.
- Workshop on Open Foam CFD code, University of Illinois, USA, 2014.
- Professional course on geological storage of nuclear waste in Precambrian bedrock, Nova Center and Aspö Laboratory, Sweden, 2013.
- Training course on STAR-CCM+ CFD code, Idaho National Laboratory, USA, 2011.
- Training course on Monte-Carlo particle code MCNP5, Idaho National Laboratory, USA, 2011.