

Editorial Greeting to Journal Readers 2018



**Professor
Igor L. Piore, Editor**

The ASME Journal of Nuclear Engineering and Radiation Science celebrates its third year. On this occasion, I would like to congratulate all members of our Journal Board, reviewers, authors, and readers! Below are the latest Journal statistics changes, and plans for the future. First of all, I would like to express my great appreciation to those Associate and Guest Editors (AEs and GEs), whose terms have expired in 2017, for their valuable contributions to the Journal and nuclear engineering:

- Rachid Machrafi (Ph.D.), UOIT, Oshawa, ON, Canada
- Robert Stakenborghs, ILD Power, Baton Rouge, LA

With these changes in the lists of Associate and Guest Editors, our editorial team consists of 1 Editor (Ed), 32 AEs, and three GEs, who represent 14 countries with nuclear-power reactors (Canada (1 Ed, 2 AEs, and 1 GE), China (3 AEs), Czech Republic (1 AE), France (1 AE), Germany (2 AEs), Hungary (1 AE), India (1 AE), Japan (4 AEs), Mexico (1 AE), Russia (2 AEs), Slovenia (1 AE), Ukraine (1 Ed), United Kingdom (1 AE), and USA (8 AEs and 2 GEs)), and three countries without nuclear-power reactors (Austria (1 AE), Israel (1 AE), and Italy (2 AEs)).

During our third year, we have published four issues (as planned, always on time or ahead of schedule) with 94 papers including two Special-Edition Issues with selected papers:

- (1) Special Section (Vol. 3, No. 2, April 2017) on *Pressurized Heavy Water Reactors Safety*. Guest Editors—Dr. Srikumar Banerjee (BARC, India); Dr. Arun Nayak (BARC, India); and Dr. Thambiayah Nitheanandan.
- (2) Special Section (Vol. 3, No. 3, July 2017), *Selected Papers from the 28th Conference of the Nuclear Societies in Israel*. Guest Editors—Dr. Ilan Yaar, NRCN, and Dr. Jean Koch, Soreq NRC.

Also, our Special-Edition Issue on papers from the International Symposium on SuperCritical Water-cooled Reactors (ISSCWR-7) (Issue No. 1, Vol. 2, January of 2016) has been listed on the GIF (Generation IV International Forum) website: https://www.gen-4.org/gif/jcms/c_42151/supercritical-water-cooled-reactor-scwr/

Our plans for the near future are:

- (1) Publish four issues with a larger number of papers to make the “waiting time” for publishing as short as possible;
- (2) Publish two Special Issues with selected augmented and revised papers from: (a) the International Symposium on SuperCritical Water-cooled Reactors (ISSCWR-8), March, 2017, Chengdu, China; (Issue No. 1, Vol. 4, January of 2018); and (b) International Conference on Nuclear Engineering (ICONE-24), June 26–30, 2016, Charlotte, NC (Issue No. 2 or 3, Vol. 4, April or July of 2018).
- (3) Attract new papers from around the world for 2018 and 2019 issues.

Many authors and readers asked us about ratings of our Journal in various international systems. On this, we have good news to announce—The Journal was accepted into the Web of Science,

Associate Editors:

- Won-Phil Baek (Ph.D.), KAERI, Daejeon, South Korea
- Andrey N. Churkin (Ph.D.), OKB «GIDROPRESS», Podolsk, Russia
- Lin-wen Hu (Ph.D.), MIT, Cambridge, MA
- Rafael Macian-Juan (Ph.D.), TUM, Munich, Germany
- Joseph S. Miller (M.Sc.), EDA, Inc., Terre Haute, IN
- Rosa Maria Montekali (Ph.D.), ENEA, Rome, Italy

Guest Editors:

- Giacomo Grasso (Ph.D.), ENEA, Rome, Italy
- Yassin Hassan (Ph.D.), Texas A&M University, College Station, TX
- Jean Koch (Ph.D.), Soreq NRC, Yavne, Israel
- Arun Nayak (Ph.D.), BARC, India
- Thambiayah Nitheanandan (Ph.D.), CNL, Chalk River, ON, Canada
- Jovica R. Riznic (Ph.D.), CNSC, Ottawa, ON, Canada
- Ilan Yaar (Ph.D.), NRCN, Dimona, Israel
- Wenyue Zheng (Ph.D.), Canmet MATERIALS, NRCan, Canada

Also, we would like to welcome the following new Associate and Guest Editors:

New Associate Editors:

- Jovica R. Riznic (Ph.D.), CNSC, Ottawa, ON, Canada
- Giacomo Grasso (Ph.D.), ENEA, Rome, Italy
- Ilan Yaar (Ph.D.), NRCN, Dimona, Israel

New Guest Editors:

- Wang Guoqiang (Ph.D.), Westinghouse Electric Company, Inc., Butler County, PA

Emerging Sources Citation Index; it is accepted for inclusion in Scopus (by Elsevier B.V.), and it is eligible for a Journal Impact Factor (JIF) next year.

And finally, we hope that you will join us in this new journal as authors of submitted manuscripts and as reviewers. This is indeed a unique international journal, which combines research, industrial operating experience, new designs/systems, safety analysis, applications of nuclear energy, and many other related topics that change the world and our lives for the better! We also hope you will enjoy reading the papers that follow.

On the behalf of the ASME NERS Editorial Board,

**Igor L. Pioro, Dr. Tech. Sc., Ph.D., P.Eng.,
Fellow ASME, CSME, & EIC
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Table 1 Statistics on Papers of Four Issues (2017) of the ASME Journal of Nuclear Engineering and Radiation Science (total number of published papers 94 and authors 358)

No	Country	Organization/Company
1	Austria	International Atomic Energy Agency
2	Bulgaria	Risk Engineering, Ltd.
3	Canada	Arcadis Canada, Inc. Canadian Nuclear Laboratories, Ltd. École Polytechnique de Montréal Queen's University University of New Brunswick University of Ontario Institute of Technology University of Saskatchewan University of Toronto University of Waterloo Royal Military College of Canada
4	China	Beijing Research Institute of Chemical Engineering and Metallurgy China Guangdong Nuclear Power Group (CGNPC) China Institute of Water Resources and Hydropower Research China Nuclear Power Engineering Co., Ltd. China Nuclear Power Technology Research Institute (CNPRI) EDF R&D China GSE Systems, Inc. Institute of Modern Physics, Chinese Academy of Sciences Institute of Nuclear and New Energy Technology Nuclear Power Institute of China Nuclear and Radiation Safety Center Shanghai Jiao Tong University State Power Investment Central Research Institute Tsinghua University Xi'an Jiaotong University
5	Czech Rep.	Centrum Výzkumu Řež Research Center Rez Ltd. ÚJV Rež,
6	France	CEA Institut de Radioprotection et de Sécurité Nucléaire (IRSN) Université de Lorraine
7	Germany	Karlsruhe Institute of Technology Technische Universität München
8	India	Atomic Energy Regulatory Board Bhabha Atomic Research Centre (BARC) Indian Institute of Technology Bombay Indian Institute of Technology Kanpur Nuclear Power Corporation of India Limited
9	Israel	Ariel University Bar Ilan University Ben-Gurion University of the Negev Dosimetry/Radiation Protection Faculty of Civil and Environmental Engineering Geological Survey of Israel Israel Atomic Energy Commission (IAEA)

Table 1. Continued

No	Country	Organization/Company
		IAEC-NRCN Meir MC Nuclear Research Center Negev (NRCN) NRCN Beer-Sheva Rotem Industries Ltd. Sami Shamoon College of Engineering SGAS Laboratories, IAEA-Seibersdorf Soreq NRC Soroka University Medical Center Technion-Israel Institute of Technology
10	Italy	EAEN Institute of Transuranium Elements (ITU) Sapienza University of Rome University of Pisa University La Sapienza
11	Indonesia	Nuclear Energy Regulatory Agency Universitas Gadjah Mada
12	Japan	Hitachi, Ltd. Hitachi-GE Nuclear Energy, Ltd. IFMIF/EVEDA Japan Atomic Energy Agency Kyushu University National Institutes for Quantum and Radiological Science and Technology Tohoku University
13	Netherlands	Nuclear Research & Consultancy Group (NRG)
14	Romania	Politehnica University of Bucharest
15	Russia	Atomenergoproekt Balacovo NPP
16	Slovenia	Jozef Stefan Institute
17	South Korea	Korea Atomic Energy Research Institute (KAERI)
18	Spain	Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT)
19	Turkey	Istanbul Technical University
20	UK	Cranfield University Hitachi Europe Ltd. Inductosence Ltd. University of Bristol
21	USA	AECOM Argonne National Laboratory DSM Associates Inc. Idaho National Laboratory Innovative Systems Software North Carolina State University Purdue University Sagamore Adams Laboratories Stanford University Talos Power LLC University of Alabama in Huntsville University of California University of New Mexico University of Tennessee University of Wisconsin-Madison U.S. Environmental Protection Agency Utah State University