

The 6th International Conference on Nuclear and Renewable Energy Resources (NURER2018) is recognized as one of the major international conference for the exchange of information on scientific, engineering, and other technical aspects of innovative nuclear and renewable energy science and technology. The conference is intended to provide an excellent opportunity to report on recent technical progress, discuss key issues and fostering international collaboration for the promotion of innovative nuclear and renewable energy system development and their synergic collaborations. Papers related to science, engineering, facilities, experiments, modeling, analysis, design and safety are welcome.



- Fission Energy
- Fusion Energy
- Renewable & Hydrogen Energies
- Energy Management and Environmental Issues
- * Renewable-Nuclear Synergy, International Cooperation and Innovation
- Other Relevant Topics

The working language of the conference and the proceedings is English. Technical papers will be peer reviewed and accepted papers will be published in a symposium proceedings. The authors are encouraged to send full extended papers to The International Journal of Hydrogen Energy, The International Journal of Energy Research, Fusion Science and Engineering and The International Journal of Renewable Energy after the conference.

Authors are invited to submit a one-page 400-word abstract (text only) to the NURER-2018.





❖ June 15 2018 **Abstract Submission Deadline** 2018 ❖ June 30 Abstract Acceptance Notification ❖ July 31 2018 Early Registration Deadline ❖ August 31 2018 Manuscripts Submission Deadline

Honorary Chairman

Prof. Dr. Sümer ŞAHİN (Bahçeşehir University, Istanbul, Turkey) President Dr. Soon-Heung Chang (Handong Global University, Korea)

Prof. Dr. H. Mehmet ŞAHİN (Gazi University, Turkey) Prof. Dr. M. S. Yim (KAIST, Korea)

Technical Program Chairman
Prof. Dr. Yonghee Kim (KAIST, Korea)

Technical Program Co-chairmen

Dr. Shannon M. Bragg-Sitton (Idaho National Laboratory, USA)
Prof. Dr. Minghuang Wang (Institute of Nuclear Energy Safety Technology, China)

Prof. Dr. Ruzhu WANG (Shanghai Jao Tong University, China) Prof. Dr. Chinho Park (Yeungnam University Korea)

Organizer
Korea Advanced Institute of Science and Technology (KAIST)

Co-sponsor American Nuclear Society

Korean Nuclear Society

Bahçeşehir University Gazi University

The International Association for Hydrogen Energy

CASMRR (Center for Autonomous SMR Research)

Contact Information

Tel: +82 42 350 8437 Fax: +82 42 350 8437

E-mail: nurer2018@kaist.ac.kr Website: http://nurer2018.org















International Scientific Committee

Carlo RUBIA (CERN)

T. Nejat VEZİROĞLU (International Association of Hydrogen Energy, USA)

José M. MARTINEZ VAL (Universidad Politecnica de Madrid, Spain)

Donghwan KIM (Korea University, Korea)

Mohamed ABDOU (University of California, Los Angeles, USA)

Yong Hoon JEONG (KAIST, Korea)

İbrahim DİNÇER (University of Ontario Institute of Technology, Canada)

Sergi HONG (Kyunghee University, Korea) Zaki Su'ud (Institut Teknologi Bandung, Indonesia)

Ait Abderrahim HAMID (SCK CEN, Belgium)

Hiroshi SEKIMOTO (Tokyo Institute of Technology, Japan) Yanjun DAI (Shanghai Jao Tong University, China)

Başar ŞARER (Near East University, Turkish Republic of Northern Cyprus) Xue-Nong CHEN (Karlsruhe Institut für Technology)

Emilio MINGUEZ (Universidad Politécnica de Madrid)

Junshin LEE (Korea Electric Power Research Institute, Korea)

José Manuel PERLADO (Universidad Politécnica de Madrid)

Ralph MOIR (Lawrence Livermore National Laboratory, USA)

Charles FORSBERG (MIT,USA)

Chae Young LIM (Korea Atomic Energy Research Institute, Korea)

Mohammad Reza NEMATOLLAHI (Shiraz University, Iran) Rainer SALOMAA (Helsinki University of Technology, Finland)

Kijung JUNG (National Fusion Research Institute, Korea)

Yican WU (Institute of Nuclear Energy Safety Technology, China)

Askar ZHUSSUPBEKOV (L.N. Gumelyov Eurasian National University, Kazakhstan)

Waclaw GUDOWSKI (Kungliga Tekniska Högskolan - KTH, Sweden) Young-chul GHIM (KAIST, Korea)

Wejdan Abu ELHAIJA (Al Zaytoonah University, Jordan)

Shigeru NIKI (National Institute of Advanced Industrial Science & Technology, Japan) IAEA Deokjung LEE (Ulsan National Institute of Science & Technology, Korea)

















RAMADA PLAZA JEJU HOTEL

Located only five minutes away from Jeju International Airport and Jeju Port. Web Site: http://www.ramadajeju.co.kr/ENG/





Международный издательский дом научной периодики "Спейс"



JEJU ISLAND

JEJU ISLAND is located in south-west and is the biggest island of Republic of Korea. Basalt rocks cover more than 90% area of this volcanic island. The island is oval-shaped with Halla Mountain in the center stretching 73 km from east to west and 41 km from north to south. It has a mild oceanic climate, where the temperature does not reach sub-zero levels (in most cases) even in the winters. A universal recreational island with beautiful natural landscape received as a gift from nature. Relatively isolated from the rest of the world, the island's nature has been well preserved in its original state.

WORLD NATURAL HERITAGE refers to tangible assets with outstanding universal values, which can't be replaced by any others once destroyed and must be preserved and maintained for the whole humankind. Jeju Island was designated as World Natural Heritage in the title of 'Jeju Volcanic Island and Lava Tube' in 2007.





NURER 2018





118