

**Editorial Preface**

The notion at which, nowadays, zero energy buildings and solar cities cannot be imagined without advancement in solar thermal engineering, renewable energy engineering, smart grid, electric vehicles, building construction materials and vacuum insulation technologies because it plays an imperious role of allowing consumers in minimizing energy consumption and build a modern era of generating energy buildings and solar (renewable energy) cities contributing to climate change. It can be achieved with the integration of progressive energy and materials technologies with a thoughtful desire of reducing our carbon footprints and make our infrastructure smart and energy-efficient. Also, an aspiration to mitigate the global energy supply-demand gap and for this, International Journal of Solar Thermal Vacuum Engineering, is dedicated that comprehensively allow eminent researchers to contribute to this journal. The aim of International Journal of Solar Thermal Vacuum Engineering stipulates a multidisciplinary convention for disseminating and stimulating knowledge on research and development in the areas, conceived to be comprehensive and critically analytical, of vacuum glazing, vacuum insulation panel, photovoltaic films, thermochromic films, photochromic films, electrochromic films, wind and photovoltaic systems, smart grid integration of renewable energy technologies, electric vehicles, thermal energy management of batteries, evacuated tube solar collector, flat plate solar collectors, waste heat/electrical energy harvesting technologies, vacuum thermionics, smart windows, solar heating technologies, building integrated photovoltaics, applied vacuum science to energy technologies, applied vacuum systems, phase change materials, solar thermal energy storage technologies, hermetic glass sealing materials, solar absorbers, concentrated solar power, applied heat transfer analysis to solar thermal technologies, advanced heating systems, vacuum insulated solar thermoelectric generator, thermoelectrics for power generation, concentrating optics, building insulation and construction materials, zero-energy buildings, solar architecture, applied renewable energy technologies, solar architecture and applied Internet of Things (IoT) to intelligent smart energy buildings. This international journal publishes original research and review articles. Authors are enthused to submit manuscripts which bridge the space between design, development, performance, implementation and implication.

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Dr. Saim Memon CEng FHEA

Head of Solar Thermal Vacuum Engineering Research Group, London Centre for Energy Engineering, School of Engineering, London South Bank University, London, United Kingdom.

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Full Name with titles	<b>Dr. Saim Memon</b> Head of Solar Thermal Vacuum Engineering Research Group, Course Director and Senior Lecturer
Institution Affiliation	Solar Thermal Vacuum Engineering Research Group, London Centre for Energy Engineering, School of Engineering, London South Bank University, United Kingdom.
Google Scholar	<a href="https://scholar.google.co.uk/citations?user=Smt5s-IAAAAJ&amp;hl=en">https://scholar.google.co.uk/citations?user=Smt5s-IAAAAJ&amp;hl=en</a>
ORCID	<a href="https://orcid.org/0000-0003-2598-8935">https://orcid.org/0000-0003-2598-8935</a>
Email Address	S.Memon@lsbu.ac.uk

### Associate Editors

Full name with titles	<b>Assoc. Prof. Dr. Takao Katsura</b> Associate Professor
Institution Affiliation	Division of Human Environmental Systems, Faculty of Engineering, Hokkaido University, Japan
Researchgate	<a href="https://www.researchgate.net/profile/Takao_Katsura2">https://www.researchgate.net/profile/Takao_Katsura2</a>
ORCID	<a href="https://orcid.org/0000-0001-5657-2399">https://orcid.org/0000-0001-5657-2399</a>
Email Address	katsura@eng.hokudai.ac.jp

Full name with titles	<b>Dr. Ali Radwan</b> Postdoctoral Researcher in Environmental System Engineering at Hokkaido University, Japan Assistant professor in Mechanical Power Engineering, faculty of engineering, Mansoura university, Egypt
Institution Affiliation	Division of Human Environmental Systems, Faculty of Engineering, Hokkaido University, Japan Mechanical Power Engineering, Shoubra Faculty of Engineering, Benha university, Egypt
Google Scholar	<a href="https://scholar.google.com.eg/citations?user=QDH8Sc8AAAAJ&amp;hl=en">https://scholar.google.com.eg/citations?user=QDH8Sc8AAAAJ&amp;hl=en</a>
ORCID	<a href="https://orcid.org/0000-0003-4134-5542">https://orcid.org/0000-0003-4134-5542</a>
Email Address	Ali.radwan@ejust.edu.eg

Full name with titles	<b>Dr. Ahmed A. Serageldin</b> Postdoctoral Researcher in Environmental System Engineering at Hokkaido University, Japan Assistant professor in Mechanical Power Engineering, Shoubra Faculty of Engineering, Benha university, Egypt
Institution Affiliation	Division of Human Environmental Systems, Faculty of Engineering, Hokkaido University, Japan Mechanical Power Engineering, Shoubra Faculty of Engineering, Benha university, Egypt
Google Scholar	<a href="https://scholar.google.com/citations?user=KFIn-SMAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=KFIn-SMAAAAJ&amp;hl=en</a>
ORCID	<a href="https://orcid.org/0000-0003-0922-7028">https://orcid.org/0000-0003-0922-7028</a>
Email Address	Ahmed.serageldin@ejust.edu.eg

Full Name with titles	<b>Assoc. Prof. Dr. Shanwen Zhang</b>
Institution Affiliation	College of Mechanical Engineering, Yangzhou University, Yangzhou 225127, China
Researchgate	<a href="https://www.researchgate.net/profile/Shanwen_Zhang2">https://www.researchgate.net/profile/Shanwen_Zhang2</a>
ORCID	<a href="https://orcid.org/0000-0001-6043-0174">https://orcid.org/0000-0001-6043-0174</a>
Email Address	<a href="mailto:swzhang@yzu.edu.cn">swzhang@yzu.edu.cn</a>

Full Name with titles	<b>Assoc. Prof. Dr. Sergeev Sergey</b>
Institution Affiliation	Nizhny Novgorod State Technical University, Nizhny Novgorod, Russia
Email Address	<a href="mailto:dfnice@yandex.ru">dfnice@yandex.ru</a>

Full Name with titles	<b>Assoc. Prof. Dr. Sajjad Wali Khan</b> Associate Professor in Civil Engineering
Institution Affiliation	Department of Civil Engineering, University of Engineering & Technology, Peshawar, Pakistan
Google Scholar	<a href="https://scholar.google.com/citations?user=zvY1pdIAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=zvY1pdIAAAAJ&amp;hl=en</a>
Researchgate	<a href="https://www.researchgate.net/profile/Sajjad_Khan6">https://www.researchgate.net/profile/Sajjad_Khan6</a>
Email Address	<a href="mailto:drsajjadwalikhan@uetpeshawar.edu.pk">drsajjadwalikhan@uetpeshawar.edu.pk</a>

Full Name with titles	<b>Assoc. Prof. Dr. Khan Shahzada</b> Associate Professor in Civil Engineering
Institution Affiliation	Department of Civil Engineering, University of Engineering & Technology, Peshawar, Pakistan
Google Scholar	<a href="https://scholar.google.com/citations?user=eLM9YsMAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=eLM9YsMAAAAJ&amp;hl=en</a>
ORCID	<a href="https://orcid.org/0000-0002-2761-7380">https://orcid.org/0000-0002-2761-7380</a>
Email Address	<a href="mailto:khanshahzada@uetpeshawar.edu.pk">khanshahzada@uetpeshawar.edu.pk</a>

Full Name with titles	<b>Emeritus Sr. Assoc. Prof. Abdul Rashid Memon</b>
Institution Affiliation	Department of Civil Engineering, Faculty of Engineering Science & Technology, Ziauddin University, Karachi, Pakistan.
Google Scholar	<a href="https://scholar.google.com/citations?user=Ardj8kUAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Ardj8kUAAAJ&amp;hl=en</a>
ORCID	<a href="https://orcid.org/0000-0002-2017-4791">https://orcid.org/0000-0002-2017-4791</a>
Email Address	<a href="mailto:abdul.rashid@zu.edu.pk">abdul.rashid@zu.edu.pk</a>

Full Name with titles	<b>Prof. Dr. Alaibek Obozov</b> Professor of Renewable Energy Sources Doctor of Technical Sciences
Institution Affiliation	Department of Renewable Energy Sources, Kyrgyz State Technical University named after I. Razzakov, Kyrgyzstan.
Google Scholar	<a href="https://scholar.google.com/citations?view_op=list_works&amp;hl=ru&amp;authuser=2&amp;user=yd6eF80AAAJ">https://scholar.google.com/citations?view_op=list_works&amp;hl=ru&amp;authuser=2&amp;user=yd6eF80AAAJ</a>
ORCID	<a href="https://orcid.org/0000-0002-7854-5831">https://orcid.org/0000-0002-7854-5831</a>
Email Address	<a href="mailto:obozov-a@mail.ru">obozov-a@mail.ru</a>

Full Name with titles	<b>Assoc. Prof. Dr. Ruslan Isaev</b> Associate Professor of Renewable Energy Sources
-----------------------	---

	Candidate of Technical Sciences (PhD)
Institution Affiliation	Department of Renewable Energy Sources, Kyrgyz State Technical University named after I. Razzakov, Kyrgyzstan.
Google Scholar	<a href="https://scholar.google.com/citations?hl=ru&amp;user=ikQg2MAAAAAAJ#d=gs_hdr_drw">https://scholar.google.com/citations?hl=ru&amp;user=ikQg2MAAAAAAJ#d=gs_hdr_drw</a>
ORCID	<a href="https://orcid.org/0000-0001-5015-6175">https://orcid.org/0000-0001-5015-6175</a>
Email Address	<a href="mailto:ruslan.isaev81@yandex.com">ruslan.isaev81@yandex.com</a>

Full Name with titles	<b>Dr. Siliang Yang</b>
Institution Affiliation	University of New South Wales (UNSW), Australia
Google Scholar	<a href="https://scholar.google.com/citations?user=UbR6ERMAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=UbR6ERMAAAAJ&amp;hl=en</a>
Researchgate	<a href="https://www.researchgate.net/profile/Siliang_Yang">https://www.researchgate.net/profile/Siliang_Yang</a>
Email Address	<a href="mailto:siliang624@hotmail.com">siliang624@hotmail.com</a>

Full Name with titles	<b>Dr Hussein Haji Jama</b> Senior Lecturer in Mechanical and Manufacturing Engineering
Institution Affiliation	Department of Mechanical and Manufacturing Engineering, University of Nairobi, Kenya
Google Scholar	<a href="https://scholar.google.com/citations?user=_JvuXScAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=_JvuXScAAAAAJ&amp;hl=en</a>
ORCID	<a href="https://orcid.org/0000-0002-2015-5187">https://orcid.org/0000-0002-2015-5187</a>
Email Address	<a href="mailto:husein.jama@uonbi.ac.ke">husein.jama@uonbi.ac.ke</a>

Full Name with titles	<b>Dr. Siamak Hoseinzadeh</b> Postdoctoral Researcher
Institution Affiliation	Centre for Asset Integrity Management, University of Pretoria, Pretoria, South Africa
Google Scholar	<a href="https://scholar.google.com/citations?user=dxITgAEAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=dxITgAEAAAAAJ&amp;hl=en</a>
ORCID	<a href="https://orcid.org/0000-0002-4282-074X">https://orcid.org/0000-0002-4282-074X</a>
Email Address	<a href="mailto:hoseinzadeh.siamak@gmail.com">hoseinzadeh.siamak@gmail.com</a> <a href="mailto:hosseinzadeh.siamak@up.ac.za">hosseinzadeh.siamak@up.ac.za</a>

Full Name with titles	<b>Dr. Leonid Danilevski</b> Doctor of Technical Sciences, Chief Researcher of the State Enterprise
Institution Affiliation	State Enterprise, Institute of Housing, NIPTIS, Minsk, Republic of Belarus.
Email Address	<a href="mailto:leonik@tut.by">leonik@tut.by</a>

Full Name with titles	<b>Dr. Ira Devi Sara</b> Researcher in Electrical and Renewable Energy Systems
Institution Affiliation	Electrical and Renewable Energy System Research Centre, Department of Computer and Electrical Engineering, Faculty of Engineering, Syiah Kuala University, Darussalam Banda Aceh, Indonesia
Google Scholar	<a href="https://scholar.google.com/citations?user=Ve_10oYAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Ve_10oYAAAAAJ&amp;hl=en</a>
Scopus ID	55218080900
Email Address	<a href="mailto:ira.sara@unsyiah.ac.id">ira.sara@unsyiah.ac.id</a>

Full Name with titles	<b>Assoc. Prof. Dr. Yueping Fang</b> Associate Professor in Building Services Engineering
-----------------------	--

Institution Affiliation	Coventry University, School of Energy, Construction and Environment, Coventry CV1 2FB, UK
Google Scholar	<a href="https://scholar.google.com/citations?user=j4tv8PoAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=j4tv8PoAAAAJ&amp;hl=en</a>
ORCID	<a href="https://orcid.org/0000-0002-5219-667X">https://orcid.org/0000-0002-5219-667X</a>
Email Address	<a href="mailto:yueping.fang@coventry.ac.uk">yueping.fang@coventry.ac.uk</a>

Full Name with titles	<b>Dr. Farukh Farukh</b> Senior Lecturer in Mechanical Engineering
Institution Affiliation	Institute of Engineering Sciences, School of Engineering & Sustainable development, De Montfort University, Leicester, UK.
Google Scholar	<a href="https://scholar.google.co.uk/citations?user=td76dKwAAAAJ&amp;hl=en">https://scholar.google.co.uk/citations?user=td76dKwAAAAJ&amp;hl=en</a>
ORCID	<a href="https://orcid.org/0000-0001-9133-7896">https://orcid.org/0000-0001-9133-7896</a>
Email Address	<a href="mailto:f.farukh@dmu.ac.uk">f.farukh@dmu.ac.uk</a>

Full Name with titles	<b>Dr. Adnan Kiani</b> Lecturer in Computer Science and Electronic Engineering
Institution Affiliation	Department of Computer Science and Electronic Engineering, University of Essex, Essex, UK
Google Scholar	<a href="https://scholar.google.com.pk/citations?user=Wy9wbrwAAAAJ&amp;hl=en">https://scholar.google.com.pk/citations?user=Wy9wbrwAAAAJ&amp;hl=en</a>
Researchgate	<a href="https://www.researchgate.net/profile/Adnan_Kiani">https://www.researchgate.net/profile/Adnan_Kiani</a>
Email Address	<a href="mailto:a.kiani@essex.ac.uk">a.kiani@essex.ac.uk</a>

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