Spectrum Conferences & Expos

Abstract Book

2nd International Summit on Civil, Structural and Environmental Engineering

&

2nd International Summit on Gravitation, Astrophysics and Cosmology

ISCSEE2024 & ISGAC2024

March 18-19, 2024

Florence, Italy

FOREWORD

Dear Colleagues,

It is our pleasure to extend a warm invitation to all scientists, academicians, young researchers, business delegates, and students from around the globe to participate in the 2nd International Summit on Civil, Structural, and Environmental Engineering (ISCSEE2024) and the 2nd International Summit on Gravitation, Astrophysics, and Cosmology (ISGAC2024), scheduled to take place in Florence, Italy from March 18-19, 2024.

ISCSEE2024 & ISGAC2024 will provide a platform to explore recent research and cutting-edge technologies, attracting a diverse and enthusiastic audience of young and talented researchers, business delegates, and student communities.

The primary objective of ISCSEE2024 & ISGAC2024 is to bring together, a multidisciplinary gathering of scientists and engineers from across the globe to share and exchange groundbreaking ideas in the fields of Civil, Structural, and Environmental Engineering, as well as Gravitation, Astrophysics, and Cosmology. The summit aims to foster high-quality research and international collaboration, facilitating discussions and presentations that are globally competitive and highlighting recent notable achievements in these fields.

We're looking forward to an excellent meeting with scientists from different countries around the world and sharing new and exciting results in Civil, Structural and Environmental Engineering & Gravitation, Astrophysics and Cosmology.

COMMITTEE

Organizing Committee Members

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The Role of Strategic Environmental Assessment in Precautionary Protection of the Environment During the Development of Renewable Energy Projects

Boško Josimovic[1]*, Bocidar Manic[2], Saša Milijic[3], Ljubiša Bezbradica[4], Nikola Krunic[5]
Institute of Architecture, Urban and Spatial Planning of Serbia, Serbia

Abstract:

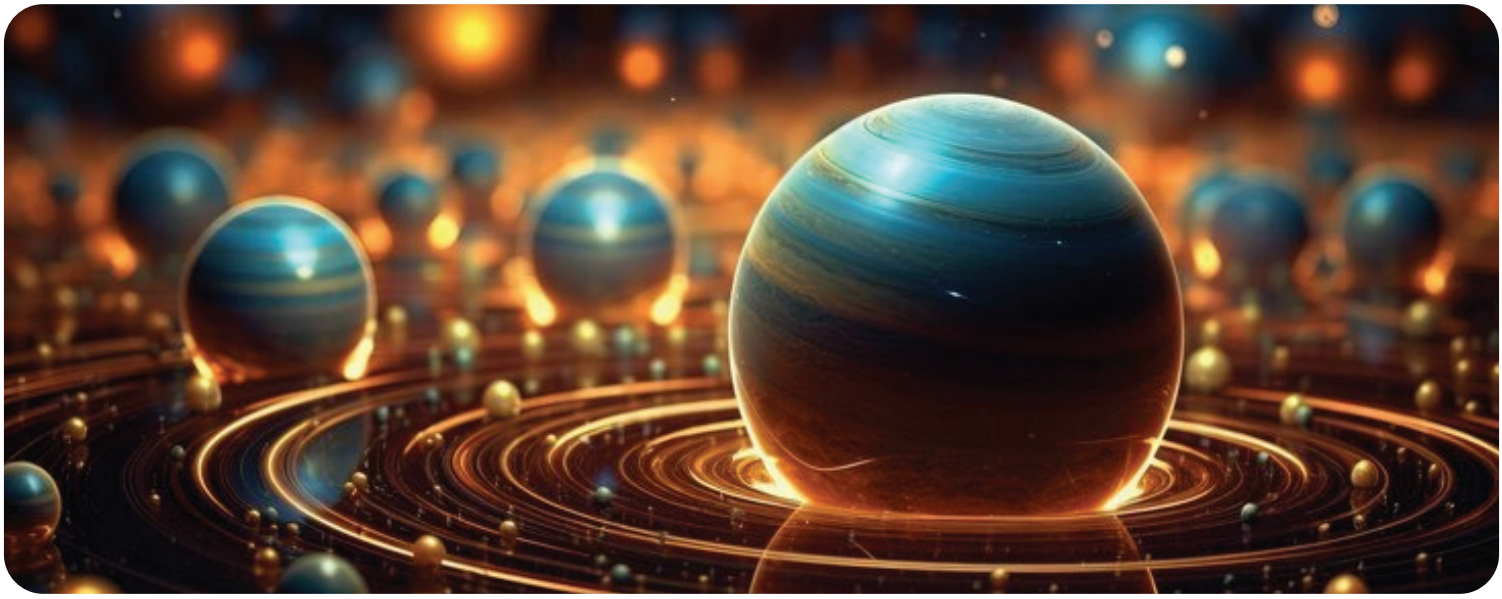
Despite numerous undeniably positive effects of using renewable energy sources on space, and the reduction of energy sector environmental impact and carbon footprint, certain side effects renewable energy projects could implicate in space still pertain. The intensity of negative effects is in direct correlation with the project type (a wind farm, a solar power plant, a biomass power plants, etc.), predominantly impacting biodiversity, population (e.g. noise, shadow flicker effect), landscape, repurposing of land, etc. Such impacts often come as a consequence of inappropriate spatial positioning of power plant facilities that use renewable energy sources and/or inadequate solutions applied in the project planning stage. That is why applying the principle of precautionary protection in the earliest phase of project developing, while it is still being planned, is of utmost importance, allowing minimisation or elimination of all negative effects by opting for most favourable spatial solutions. The paper underscores the significance of Strategic Environmental Assessment (SEA) process in renewable energy sources project planning as a globally adopted instrument in precautionary protection of the environment and spatial planning. The focus is on the role of the SEA process in selecting the optimum solutions for preventing potential conflicts in space, simultaneously reducing risks for the investors in the project development process. Such an approach enables sustainable solutions in renewable energy use, on the one hand, and creates a sound base for investment in such projects, on the other. Of particular importance in SEA are the holistic approach and the use of semi-quantitative method of multicriteria assessment of planning solutions, but also building foundations for the implementation of EIA and ESIA processes based on precautionary environment protection solutions. That is exactly the way the EIA and ESIA processes, which are the continuation of the SEA process, can be effectively implemented in the final phases of project development, simultaneously reducing investment risks, which is of no less importance.

Keywords: Strategic Environmental Assessment; Precautionary Protection; Renewable Energy Projects; Planning

Biography:

Dr. Boško Josimovic, PhD, graduated from the Faculty of Geography, Spatial Planning Department, at Belgrade University in 2000. He obtained his MSc degree in 2003 and completed his PhD in 2008. Since 2003, he has been employed at the Institute of Architecture, Urban and Spatial Planning of Serbia (IAUS), where he has held various positions, including Research Fellow, Senior Research Fellow, and Principal Research Fellow. In his role at IAUS, he coordinates national and international scientific and professional cooperation projects focusing on environmental protection and spatial development. Dr. Josimovic specializes in interdisciplinary research, particularly in environmental assessment methodologies for strategic development policies and projects related to spatial and urban planning, energy, and renewable energy sources. He has published over 100 research papers in prestigious international scientific journals and authored books on topics such as the impact of wind farms on the environment. Dr. Josimovic has led numerous scientific projects financed by Serbian ministries and international bodies, including an international research project under HORIZON 2020. He has also contributed to technological development in renewable energy sources and serves as a reviewer for leading international journals such as Energy and Science of the Total Environment.

UPCOMING EVENTS



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