National Conference on Design Strategies for Noise and Vibration Control (DS-NVC 2024), NIT Rourkela, India

About DS-NVC 2024

The main objective of the conference is to bring the academician, researcher, and industry persons under an umbrella to exchange their knowledge and to enhance collaboration. Controlling noise and vibration is crucial in various industries and applications, including manufacturing, construction, transportation, and residential environments. Effective design strategies for noise and vibration control are indispensable in various industries and applications, ranging from automotive and aerospace to architectural and industrial settings; and involve a combination of engineering principles, material selection, and structural design. Noise control solutions can be passive or active. This conference is aimed at bringing energy, power electronics, and control engineers into a single platform by which they can be able to exchange their ideas.

About National Institute of Technology Rourkela

NIT Rourkela is an institution of national importance with a reputation for excellence in research, consultancy, and education at the undergraduate, postgraduate, and doctoral levels. It is passionately committed to making our country a world leader in technology and science and to inculcate this commitment among all its students. Our target is to be known worldwide for our academic standards and to be counted among the best technological institutes in India in terms of innovation, entrepreneurship, and intellectual wealth creation.

About Industrial Design Department

Industrial Design involves designing of products of daily life such as mobile phones, cars, home interiors, furniture, home decor, packaging and branding, and so on in such a way so that it makes the modern human life easy and more pleasurable. The field also includes designing of workplaces and tools/equipment in industries to make them safer and more user friendly. The field also includes the designing of user interfaces and digital arts such as websites, brand logos etc. The present-day academic activities of Industrial Design are very broad with this due reason. The Industrial Design department at NIT Rourkela has specialized faculties in all important areas of industrial design such as product design, ergonomics & UX/UI.

Important Dates

Call for Papers	20th April, 2024
Full Paper Submission Deadline	20th November
Paper Acceptance Notification	25th November
Camera-Ready Paper Submission	30th November
Final Registration Deadline	1st December
Conference Date (Hybrid Mode)	**6th-7th December**

Registration Details

For presenting authors of each accepted regular paper

Category	Registration Fee
Student	**8000**
Academia	**9000**
Industry delegates	**10000**
Accompanying person	**2000**

*The fee includes 18% GST.

Each registration is valid for one paper. With one registration, ONLY one additional paper will be considered after paying 50% extra.

Call for Papers

The conference's goal is to gather scholars from all over the world to present advances in the relevant fields and to foster an environment conducive to exchanging ideas and information. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products in the fields of Noise and Vibration control. Technical papers are solicited on the topics pertaining to the scope of the conference will include, but are not limited to, the following:

- Product Design
- Acoustics Modelling
- Underwater Acoustics
- Acoustics Metamaterial
- Noise Control
- Noise Barrier
- Acoustic sensors and transducers
- Experimental techniques and measurements in the field of Sound and Vibration
- Artificial Intelligence and Machine Learning
- Rotor Dynamics
- Ergonomic Interventions

Paper submission Link:
2024nationalconvention@gmail.com

Selected papers will be published in referred Scopus Indexed journal following routine editorial process

1. IEI Series C and D (Springer)
2. Thermal Advances (Elsevier)

Chief Patron:
Prof. K. Umamaheshwar Rao, Director, NIT Rourkela

General Chairs:
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Venue

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