



1
week
OneLab

Young Researchers Conclave

Venue: CSIR-CRRI, New Delhi

Date: 19.07.2023

About The Program

Hon'ble Minister (S&T) Dr.Jitendra Singh emphasized that each of 37 CSIR laboratories is unique and specializes in as diverse areas as the building to structures, road to robotics, minerals to materials, & so on. To showcase and propagate such diversity across society Hon'ble Minister announced the idea of "One Week, One Lab (OWOL)" to be a nationwide theme-based campaign to showcase the technological breakthroughs and innovations in the CSIR labs.

Purpose

- **Poster Presentations on Futuristic Ideas:** "SUREWAY - Shaping the Future through Unifying Road, Bridge, Traffic, and Transport Research to Bridge the Gap"
- **TransTech Blitz, A Team Event - Live Demo & Presentation of the Idea:** Revolutionizing Road, Bridge, Traffic, and Transport Research
- **CSIR-CRRI National Intellectual Property Conclave 2023**
- **Virtual Labs Demo Sessions**
- **Who can participate:** Researchers, Undergraduate, Postgraduate & PhD Students (Science & Engg.), who are under 35 years

Contact Details:

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Scan To Register

Young Researchers Conclave

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The Young Researchers Conclave is a one-day event that will bring together young researchers from across the country to share their ideas on the future of road, bridge, traffic, and transport research. The conclave will feature Poster Presentations on futuristic ideas, as well as a Technical Event “TransTechBlitz” on the latest research and innovative ideas in the broad themes - Bridge Engineering and Structures, Sustainable and eco-friendly materials for road and bridge construction, Pavement Engineering, Geo-technical Engineering, Environment Engineering, and Traffic and Transport Engineering. The TransTechBlitz will feature live working and demonstrations by the young researchers on the latest research and innovative ideas in these fields, as well as opportunities for networking and collaboration.

The Young Researchers' Conclave in the transport sector provides a dynamic and vibrant platform that brings together young and aspiring researchers, scholars, and students who are passionate about advancing knowledge and driving innovation in transportation. This conclave serves as a forum for young researchers to showcase their research work, exchange ideas, and engage in discussions with peers, industry experts, and seasoned academicians. It provides an invaluable opportunity for participants to present their findings, receive constructive feedback, and gain visibility in the transportation research community.

So, Step into the realm of innovation and envision the future at our spectacular Young Researchers Conclave. Join us for a captivating journey into the realm of possibilities as we unveil the pioneering event.

Get ready to witness a convergence of brilliant minds, as together we create a transformative impact on the world of transportation. Embark on this captivating journey as we bridge the gap between innovation and reality, forging a path towards a brighter future."

1. Poster Presentations on Futuristic Ideas

2. TransTechBlitz, A Team Event: Live Demo & Presentation of the Idea

Broad Themes and Topics but Not Limited To:

- Bridge Engineering and Structures
- Sustainable & eco-friendly material for road & bridge construction
- Pavement Engineering
- Geo-technical Engineering
- Environment Engineering
- Traffic and Transport Engineering & Safety
- Machine Learning, Artificial Intelligence, Image Processing, Software Tools & Sensors in Road, Bridge, Traffic, and Transport Research

3. CSIR-CRRI National Intellectual Property Conclave 2023

4. Virtual Labs Session: An Initiative of MoE, National Mission on Education through ICT

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सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India



➤ **CSIR-CRRI National Intellectual Property Conclave 2023:** 19 July, 2023

- ❖ Venue: CRRI Auditorium
- ❖ Address by CMDR Amit K Rastogi, CMD, NRDC: 10:00AM - 10:30 PM
- ❖ IP Conclave and Address by Dr. Viswajanani Sattigeri, Head, CSIR-TKDL: 02:30AM - 03:30PM

➤ **Virtual Labs:** 19 July, 2023

- ❖ Venue: CRRI Auditorium
- ❖ Conduct of Virtual Labs demo sessions: 11:15AM - 4:45 PM

YOUNG RESEARCHERS' CONCLAVE - DAY 4

Poster Presentations

Futuristic Ideas from Young Researchers: "SUREWAY - Shaping the Future through Unifying Road, Bridge, Traffic, and Transport Research to Bridge the Gap"

IP Conclave

National Intellectual Property Festival

Virtual Labs

Conduct of Virtual Labs demo sessions

TransTechBlitz (Mini Hackathon)

Theme: Road, Bridge, Traffic, and Transport Research, Bridge Engg. & Structures, Sustainable and eco-friendly material for road and bridge construction, Pavement Engg., Geo-technical Engg., Environment Engg., and Traffic & Transport Engg., Machine Learning, Artificial Intelligence, Image Processing, Software Tools & Sensors in Road, Bridge, Traffic, and Transport Research

- **Date:** 19 July, 2023 **Time:** 9:00 AM - 6:00 PM
- **Mode of Poster Presentation:** Physical mode @ CSIR-CRRI, New Delhi
- **Venue:** CSIR-CRRI Delhi
- **Who can participate:** Researchers, Undergraduate, Postgraduate & PhD Students (Science & Engineering), who are under 35 years.
- **No Charges for participation**
- **Important dates:**
 - ✓ Last date of Abstract submission: 05 July'23 **Extended Date: 12 July'23**
 - ✓ Acceptance Notification: 10 July'23, 14 July'23
 - ✓ Poster Presentation: 19 July 2023
- Send Extended Abstract in about 500 words (2-3 pages) as per the **Extended Abstract Template** (Plagiarism < 15%) on email ID: vinodkarar.ccri@nic.in
- Participants shall bring printed Poster; **Poster Template:** Poster Size A0 (Portrait) - 90cm (W) x 119 cm (H), 2-3 Columns.
- **Evaluation Criteria:** Innovative Contents, Futuristic Projection, Clarity, Presentation.
- **All the participants would be given certificate of participation.**
- **Travel Allowance will not be paid to the participants, Accommodation to be arranged by the participants themselves.**
- **Prizes:** 1st Prize, 2nd Prize and 3rd prizes in each of the 6 themes of Poster Presentation.



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Dr Vinod Karar, Chief Scientist
Phone: +919417360044
Email ID: vinodkarar.ccri@nic.in

- **Date:** 19 July, 2023 **Time:** 9:00 AM to 6:00 PM
- **Who can participate:** Team (maximum 6 members) - Researchers, Undergraduate, Postgraduate & PhD Students under 35 years.
- **Mode of participation:** Physical mode @ New Training Hall, CRRI Delhi
- **No Charges for participation**
- **Important dates:**
 - ✓ Last date of Abstract submission: 05 July'23 **Extended Date: 12 July'23**
 - ✓ Notification of Acceptance: 10 July'23 **14 July'23**
 - ✓ Date of TransTechBlitz Event: 19 July 2023
- Submission of 'Abstract' (**Abstract TransTechBlitz Template**) (Plagiarism < 15%) of the Idea in about 500 words (2-3 pages) to email ID: vinodkarar.ccri@nic.in
- **Selected team will be required to carry out prior work on the idea & do the finishing work at CRRI Delhi and do live demo and presentation of the idea.**
- Participants need to bring their required raw material to ensure live demonstration of their idea.
- **Evaluation Criteria:** Innovative Content, Functional Demo, Futuristic Projection, Clarity and Presentation.
- Certificate of participation to all the participants.
- **Travel Allowance will not be paid to the participants, Accommodation to be arranged by the participants themselves.**
- **Prizes:** 1st prize, 2nd prize and two 3rd prizes.

सीएसआईआर - केंद्रीय सड़क अनुसंधान संस्थान
CSIR – Central Road Research Institute



CSIR-Central Road Research Institute (CRRI), a premier national laboratory established in 1952, a constituent of **Council of Scientific and Industrial Research (CSIR)** is engaged in carrying out research and development projects on design, construction and maintenance of roads and runways, traffic and transportation planning of mega and medium cities, management of roads in different terrains, improvement of marginal materials, utilization of industrial waste in road construction, landslide control, ground improvements environmental pollution, road traffic safety and analysis & design, wind, fatigue, corrosion studies, performance monitoring/evaluation, service life assessment and rehabilitation of highway & railway bridges.

The institute provides technical and consultancy services to various user organizations in India and abroad. For capacity building of human resources in the area of highway Engineering to undertake and execute roads and runway projects, Institute has the competence to organize National & International Training Programmes continuing education courses since 1962 to disseminate the R&D finding to the masses.



Stepwise repeated De-stabilisation and Stabilisation of collapsible soil mass by "Soil Nailing Technique" used for construction of Railway/Road underpass



Patch Fill Pothole Repair Solution for Bituminous Roads



Steel-Slag Road



Utilization of Municipal Solid Waste in Road embankment



Utilization of Municipal Solid Waste in Road Embankment