



# SPARC WORKSHOP ON

## Resilience of Structures under Extreme Loading Events: Engineering Composites for Resilient Construction

### FACULTY MEMBER

Prof. Ananth Ramaswamy  
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Indian Institute of Science (IISc) Bangalore

### Course Schedule

3rd to 5th March, 2024

Course Mode: Offline

(Classes will be held in IISc Campus)



### Objectives

The workshop is aimed at faculty members, industry practicing engineers and PhD students in the field of structural engineering and materials engineering who are engaged in the areas of structural design. Resilience of structures at an individual level or at the community scale in the context of addressing larger issues of sustainability in materials used and climate change impact will be the broad issues discussed in the workshop. The workshop will have presentations and aims to have engaging discussions in the areas such as robustness and resilience of structures, notions of risk and a probabilistic framework addressing questions of risk, sensing technologies, engineering sustainable composite materials to offer resilience in the structure against hazards such as mechanical loads, fire, blast and earthquakes, exploring repair and retrofitting structures to offer resilience against various loads. The presentations will be made by expert faculty members from Indian Institutes of Technology (IITs), Indian Institute of Science (IISc), some industry experts, and professional educators from universities abroad, viz. The University of British Columbia and University of Alberta (Canada), and Michigan State University (USA).

### Course Fee

Students: (Including PhD): Rs 4000/- plus 18% GST

Faculty Members: Rs 8000/- plus 18% GST

Industry: Rs 15000/- plus 18% GST

### Who can apply?

Ph.D. desirable – Faculty Members and Scientists from Government Funded Institutes and Laboratories, Private Institutes, Industry and Students

### Scan here to apply



### Pre-requisites

Exposure to probability theory, background in mechanics, concrete

For more details: <http://cce.iisc.ac.in/ssp-stc.html>



### Contact us

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