



International Conference on “Fatigue, Fracture, and Failure in Structural Systems” (FFFSS2027)

23-26 February, 2027



SRM
UNIVERSITY
DELHI-NCR, SONEPAT

The Department of Civil Engineering, SRM University Delhi-NCR, Sonapat, is pleased to announce the International Conference on “Fatigue, Fracture, and Failure in Structural Systems (FFFSS2027)”, to be held from 23–26 February 2027. The conference will be organized on the University campus in hybrid mode, enabling participation from researchers and professionals across the globe. FFFSS2027 aims to provide an international platform for academicians, researchers, scientists, industry professionals, and practicing engineers to exchange knowledge and present the latest advances in fatigue, fracture mechanics, structural failure, and structural integrity. The conference will foster interdisciplinary collaboration to address the challenges associated with the design, analysis, monitoring, maintenance, and rehabilitation of engineering structures subjected to static, cyclic, dynamic, impact, seismic, and environmental loading conditions.

The scope of the conference encompasses a broad spectrum of topics, including fatigue life prediction, fracture behavior of advanced materials, failure mechanisms in structural systems, structural health monitoring, computational and experimental fracture mechanics, damage detection, life-cycle assessment, rehabilitation techniques, and the application of artificial intelligence and digital technologies for structural safety and resilience. Participants will also discuss sustainable materials, reliability-based design approaches, and real-world case studies that demonstrate innovative solutions for enhancing the durability and service life of critical infrastructure. The conference aims to bridge the gap between fundamental research and engineering practice while promoting sustainable, resilient, and safe structural systems for future generations.

Research articles are invited from the following areas, but not limited to;

- Fatigue behavior, crack initiation, propagation, and life prediction of structural materials.
- Fracture mechanics, failure analysis, and structural integrity assessment.
- Experimental, numerical, and computational modeling of structural systems.
- Advanced construction materials, composites, smart materials, and their structural performance.
- Structural health monitoring, non-destructive evaluation (NDE), and damage detection techniques.
- Repair, rehabilitation, retrofitting, and life extension of civil infrastructure.
- Performance of structures under seismic, impact, blast, fire, wind, and extreme loading conditions.
- Durability, corrosion, environmental degradation, and sustainability of structural systems.
- Artificial intelligence, machine learning, digital twins, and data-driven approaches for structural engineering.
- Reliability, risk assessment, resilience, and performance-based structural design.
- Fatigue and fracture in reinforced concrete, steel, composite, timber, and masonry structures.
- Infrastructure asset management, bridge engineering, transportation structures, offshore and marine structures.
- Codes, standards, design guidelines, and best practices for structural safety and failure prevention.
- Interdisciplinary research integrating structural engineering, material science, computational mechanics, and emerging technologies.

Submission Guidelines

- 250 words abstract is to be submitted at civilconference@srmuniversity.ac.in
- Abstracts will be reviewed, and the authors of the accepted abstract will be allowed to submit the manuscript on the author services at the proceeding website.

Category	Registration Fee		
	Offline/Early bird	Online	Late
Foreign Delegates	\$140	\$170	\$200
Academia	₹9000	₹11000	₹13500
Industry	₹11000	₹13000	₹14000
Author with 2 nd paper	₹8000	₹9500	₹10500

Publication of manuscript:



- The selected high-quality research papers from the conference will be processed for publication in Scopus-indexed Journals. Journals will also conduct a peer review on the quality of the accepted papers for possible publication in the proceedings. Kindly refer to the publication guidelines given on the conference website.
- The best paper will be selected among the presented papers and awarded.

* Registration fee includes publication charges and payment option will be made available from 20th June 2026 in the conference website.

For more information, contact:

Dr. Abhay Kumar Chaubey (Organizing Chair & Convenor, FFFSS2027):
+91-9931974461

Dr. R. Mohanraj (Organizing Chair & Convenor, FFFSS2027):
+91-7358135699

E-mail: civilconference@srmuniversity.ac.in



Organized by Department of Civil Engineering, SRM University, 39, Rajiv Gandhi Educational City, Sonapat, Haryana, India.

Under the aegis of *Indian Concrete Institute (ICI)* and *Ultratech (I) Pvt. Ltd. Haryana*.

International Scientific Committee

1. Prof. (Dr.). Cheng chin, Chair professor of Modelling and simulation, Newcastle University, England.
2. Prof. (Dr.). Ing. A. Karim Aït-Mokhtar, Director, La Rochelle University, France.
3. Prof. (Dr.). Krishna R. Reddy, Director, University of Illinois Chicago, USA.
4. Prof. (Dr.). Samir E. Chidiac, Professor, McMaster University, Hamilton, Canada.
5. Prof. (Dr.). Cuneyt Vatansever, Associate Professor, Istanbul Technical University, Turkiye.
6. Prof. (Dr.). Isaac Ibukun Akinwumi, Professor, Covenant University, Nigeria.
7. Prof. (Dr.). Prabeesh Punathil, Professor, Northumbria University, UK.
8. Prof. (Dr.). Salah Al-Toubat, Professor, College of Engineering, University of Sharjah, U.A.E.
9. Prof. (Dr.). Elyor Berdimurodov, Chemical & Materials Engineering, New Uzbekistan University, Uzbekistan.
10. Prof. (Dr.). Nemkumar Banthia, Scientific Director, The University of British Columbia, Canada.
11. Assoc. Prof. (Dr.). Sudharshan N. Raman, Associate Professor, Monash University, Malaysia.
12. Prof. (Dr.). Helena Gervásio, Professor, University of Coimbra, Portugal.
13. Prof. (Dr.). Arun Kumar, Professor, University of Salerno, ITALY.
14. Prof. (Dr.). Narottam Das, College of Engineering and Aviation, School of Engineering and Technology, CQ University, Australia.
15. Prof. (Dr.). Chandrasekhar Loka, New Generation Energy Storage Materials, INL - International Iberian Nanotechnology Laboratory, Portugal.
16. Prof. (Dr.). Vikas Kumar, New Generation Energy Storage Materials, INL - International Iberian Nanotechnology Laboratory, Portugal.

National Scientific Committee	
1.	Prof. (Dr.). Amarnath Hegde, Dean, Indian Institute of Technology, Dharwad.
2.	Prof. (Dr.). Debasish Roy, Senior Professor of Computational Mechanics, Indian Institute of Science, Bangalore.
3.	Prof. (Dr.). Dilip Hiradram Lataye, Professor and Head, V.N.I.T., Nagpur.
4.	Dr. Harikumar M, Professor, National Institute of Technology, GOA.
5.	Prof. (Dr.). B. Krishna Prapoorna, Professor & Head, Indian Institute of Technology Tirupati, Andhra Pradesh.
6.	Prof. (Dr.). K.V.L. Subramaniam, Professor, Indian Institute of Technology Hyderabad.
7.	Prof. (Dr.). V. B. Maji, Professor, Indian Institute of Technology Madras.
8.	Prof. (Dr.). K. Muthukkumaran, Professor & Head, National Institute of Technology Tiruchirappalli.
9.	Prof. (Dr.). Subhash C. Yaragal, Professor and Head, National Institute of Technology Surathkal.
10.	Prof. (Dr.). S. Poornachandra, Principal, Sri Sakthi Institute of Engineering and Technology, Coimbatore.
11.	Dr. S. A. Krishnan, Scientific Officer-F, Indira Gandhi Center for Atomic Research, Kalpakkam.
12.	Prof. (Dr.). C D Modhera, Professor (HAG), S V National Institute of Technology, Surat.
13.	Prof. (Dr.). G. J. Joshi, Professor, SV National Institute of Technology, Surat.
14.	Prof. (Dr.). Sivakumar Ramalingam, Assistant Professor & Head, National Institute of Technology, Puducherry.
15.	Prof. (Dr.). Kranti Gyanchand Jain, Associate Professor, National Institute of Technology Uttarakhand.
16.	Prof. (Dr.). Saraswati Setia, Professor, National Institute of Technology Kurukshetra.
17.	Prof. (Dr.). S. Karthikeyan, Professor, Chikkanna Government College, Tamil Nadu.
18.	Assoc. Prof. (Dr.). A. R. Krishnaraja, Associate Professor, Kongu Engineering College, Erode.
19.	Dr. A. Mohammed Siraj Ansari, Scientist C, Central Academy for State Forest Services, Assam.
20.	Prof. (Dr.). Ajay Kumar, Professor, National Institute of Technology Delhi.
21.	Prof. (Dr.). Awadhesh Kumar, Professor, Delhi Technological University, Delhi
22.	Prof. (Dr.). Rizwan Ahmad Khan, Professor, Aligarh Muslim University, Aligarh
23.	Prof. (Dr.). Srinivas Tangellapalli, Professor, National Institute of Technology Jalandhar.
24.	Prof. (Dr.). Upendhar Dhull, Professor, Kurukshetra University, Kurukshetra
25.	Prof. (Dr.). Mahesh Kumar Jat, Professor, Malaviya National Institute of Technology Jaipur
26.	Prof. (Dr.). R. Krishnasamy, Assistant Professor, Erode Sengunthar Engineering College, Tamil Nadu
27.	Prof. (Dr.). Pratik K. Ray, Professor, Metallurgical and Materials Engineering, Indian Institute of Technology Ropar
28.	Prof. (Dr.). Suchit Kumar Patel, Associate Professor, Central University of Jharkhand, Ranchi
29.	Prof. (Dr.). Deepak Yadav, Professor of Civil Engineering, Indian Institute of Technology, Jammu
30.	Prof. (Dr.). Ankit Gupta, Professor, Indian Institute of Technology (BHU), Varanasi
31.	Prof. (Dr.). Prabin Kumar Ashish, Professor, Indian Institute of Technology, Kanpur
32.	Prof. (Dr.). Gourab Saha, Assistant Professor, National Institute of Technology, Rourkela
33.	Prof. (Dr.). Sudhir Kumar Barai, Professor, Indian Institute of Technology, Kharagpur
34.	Prof. (Dr.). Deb Dulal Tripura, Professor, National Institute of Technology, Agartala
35.	Prof. (Dr.). Rajneesh Sharma, Professor, Indian Institute of Technology, Mandi
36.	Prof. (Dr.). Hemant Kumar Vinayak, National Institute of Technology, Hamirpur
37.	Prof. (Dr.). S. Christian Johnson, Editor-in-chief, Scientific Hub of Applied Research in Engineering & Information Technology
38.	Prof. (Dr.). Muthulingam Subramaniyan, Professor of Civil Engineering, Indian Institute of Technology, Ropar
39.	Prof. (Dr.). Ashim Kanti Dey, Professor (HAG), National Institute of Technology, Silchar
40.	Prof. (Dr.). N. Umamaheswari, Professor, SRM Institute of Science and Technology, Kattankulathur.
41.	Dr. N. Anandavalli, Director, CSIR-Structural Engineering Research Centre, Taramani

Category		Last Date	<u>Editorial Board:</u>	
Abstract submission deadline		01.10.2026	➤ Dr. R. Mohanraj, Assistant Professor, Civil Engineering, SRM University, Delhi-NCR, Sonapat, Haryana, India. ➤ Dr. Abhay Kumar Chaubey, Assistant Professor, Civil Engineering, SRM University, Delhi-NCR, Sonapat, Haryana, India. ➤ Prof. (Dr.). Ubagaram Johnson Alengaram, Director and Professor, Civil Engineering, University of Malaya, Kuala Lumpur, Malaysia. ➤ Dr. S.A. Krishnan, Scientific Officer-F, Indira Gandhi Center for Atomic Research, Kalpakkam, Tamil Nadu, India. ➤ Prof. (Dr.) Ranjit Roy, Professor & Dean, Faculty of Engineering & Technology, SRM University, Delhi-NCR, Sonapat, Haryana, India ➤ Dr. R. Krishnasamy, Associate Professor, Civil Engineering, Erode Sengunthar Engineering College, Tamil Nadu, India.	
Acceptance of abstract		10.10.2026		
Full-length paper submission		20.12.2026		
Acceptance of Full-length paper		30.12.2026		
Early bird registration		25.10.2026		
Last registration		24.01.2027		
Camera Ready Paper		30.01.2027		
Sponsorship	Sponsorship Amount (INR)	Benefits		In and around SRM University, Delhi-NCR Campus: India Gate, Lotus temple, Qutub Minar, Taj Mahal, Kurukshetra. Nearby airport and railway station: The nearest railway station to campus is Sonapat Junction at a distance of 16.9 km and New Delhi railway station of 35 km. Indira Gandhi International Airport is the nearest airport located at a distance of 50.1 km from the university.
Platinum	2,00,000/-	15 Free delegates, Backdrop banner, 100 Sq. ft stall and full-page advertisement in the souvenir		
Diamond	1,00,000/-	10 Free delegates, Backdrop banner, 75 Sq. ft stall and full-page advertisement in the souvenir		
Gold	75,000/-	7 Free delegates, Backdrop banner, 50 Sq. ft stall and full-page advertisement in the souvenir		
Silver	50,000/-	5 Free delegates, Backdrop banner, and a full-page advertisement in the souvenir		
Bronze	40,000/-	3 Free delegates, Backdrop banner, and a half-page advertisement in the souvenir		
Support	25,000/-	2 Free delegate, Backdrop banner, and half-page advertisement in the souvenir		

