



IARCS

NEWSLETTER

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We are pleased to share with you this first issue of the IARCS Newsletter, created to update our members on the activities of the International Association of Resilient Cities and Structures (IARCS) and to highlight conferences, webinars, and events of interest to our international community.

IARCS was established to promote collaboration among researchers, engineers, practitioners, and policymakers working toward resilient and sustainable cities and infrastructure systems. We are delighted that IARCS membership has rapidly grown since the foundation of the association. Significant effort has already been dedicated to establishing the organization, launching its initial activities, and strengthening international collaboration among members.

The next phase will focus on expanding IARCS activities through conferences, webinars, technical initiatives, and professional engagement opportunities. Additional information will be presented during the first official IARCS meeting, which will be announced shortly. All members and interested participants are invited to join either in person or remotely via Zoom.

We look forward to growing this association together in collaboration with all members and partners who share the common goal of advancing resilience and sustainability worldwide.

With best regards,

Prof. Gian Paolo Cimellaro

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Mission & Vision

(IARCS) is dedicated to advancing resilience in urban environments and infrastructure worldwide. Its mission is to empower cities and structural systems with the knowledge, tools, and collaborative networks needed to adapt to environmental, social, and economic challenges while promoting innovation, inclusivity, and sustainable development. IARCS brings together global experts, researchers, policymakers, and practitioners to foster research, share best practices, and develop forward-looking solutions that strengthen the safety and sustainability of urban systems. Its vision is to create a future where cities and structures are designed and managed to withstand adversity, thrive amid change, and ensure equitable, resilient, and sustainable communities for present and future generations.

IARCS is guided by core values that emphasize innovation, collaboration, sustainability, and inclusivity as the foundation of its work. The association promotes cutting-edge research and forward-thinking solutions to strengthen resilience in cities and infrastructure, while fostering collaboration among global experts, policymakers, practitioners, and communities to achieve meaningful and scalable impact. It is committed to advancing sustainable urban and structural development that balances environmental, social, and economic priorities, ensuring long-term resilience and responsible resource management. At the same time, IARCS prioritizes inclusivity and equity, striving to engage diverse stakeholders and support vulnerable communities so that resilience efforts benefit everyone and contribute to a safer, more sustainable, and equitable future.

ICONREM conferences

The International Conference on Resilience, Earthquake Engineering and Structural Health Monitoring (ICONREM), which will be held *from 16 to 19 June 2026 in Florence, Italy*, is a flagship global event organized by IARCS.

ICONREM brings together researchers, engineers, policymakers, and industry professionals to address the pressing challenges of infrastructure resilience and risk mitigation. The conference aims to raise awareness about the impacts of natural hazards such as earthquakes, floods, and landslides, while promoting innovative strategies that strengthen the resilience of structures and communities. ICONREM provides an international platform for sharing scientific knowledge and advancing engineering solutions. For more information, visit: <https://iarcs.eu/ICONREM.html>

The conference also serves as a multidisciplinary forum where participants present cutting-edge research, explore advanced methods for risk assessment, monitoring, and resilience design, and develop practical solutions to complex real-world challenges. The program features keynote lectures, technical sessions, and collaborative discussions focused on multi-risk analysis, structural health monitoring, and innovative engineering approaches that support risk-informed decision-making and sustainable infrastructure development.

In addition, a **Best Paper Award** will be presented to recognize the most outstanding contribution to the conference, highlighting excellence in research, innovation, and impact in the field of resilient infrastructure and structural engineering. For additional details, visit: <https://iconrem.it/>

Bruneau Medal

What is Bruneau Medal

The Bruneau Medal is a prestigious international distinction established by the International Association for Resilient Cities and Structures (IARCS) to recognize individuals who have made exceptional contributions to the advancement of resilience engineering. The award is particularly focused on achievements in civil engineering, structural engineering, and infrastructure systems, where innovative approaches and scientific excellence play a critical role in improving safety and performance under extreme conditions. By honouring leading researchers, practitioners, and policymakers, the medal highlights the importance of interdisciplinary efforts in addressing complex challenges related to risk mitigation and disaster resilience. The Bruneau Medal is typically presented during the ICONREM, reinforcing its strong connection to a global platform that brings together experts dedicated to advancing knowledge, fostering collaboration, and promoting resilient and sustainable infrastructure systems worldwide.

Purpose of the Award

The primary purpose of the Bruneau Medal is to honour outstanding achievements that advance the understanding, development, and practical application of resilience principles in engineering and society. The award recognizes individuals who have made significant contributions to strengthening the ability of structures and infrastructure systems to withstand, adapt to, and recover from extreme events. These contributions may include advancing scientific and technical knowledge in resilience and risk mitigation, improving the design, performance, and safety of structures under hazardous conditions, and promoting innovative approaches to structural health monitoring and multi-hazard analysis. By celebrating excellence across research, practice, and leadership, the award not only recognizes past achievements but also seeks to inspire continued innovation and collaboration in addressing the complex challenges posed by natural and man-made hazards, fostering a more sustainable and resilient built environment for the future.

Why "Bruneau"?

The medal is named in honour of Professor Michel Bruneau, a distinguished and influential figure in the fields of earthquake engineering and resilience. Professor Bruneau is widely recognized for his pioneering contributions to the development and formalization of the concept of resilience within engineering. His research has significantly advanced the understanding of how engineering systems can be designed not only to resist extreme events but also to recover efficiently and maintain functionality under adverse conditions. Over the course of his career, Professor Bruneau has played a central role in shaping modern approaches to risk-informed engineering, structural safety, and disaster mitigation, with a profound impact on both academic research and engineering practice worldwide. Naming the medal after Professor Bruneau acknowledges his lasting legacy and transformative influence on the field, while also serving as a source of inspiration for future generations of engineers and researchers committed to enhancing the resilience and sustainability of the built environment.

IARCS Webinar Series – Learn from Global Experts

March 19, 2025

A Case Against Increased Seismic Performance Legislation for Buildings

Speaker: Professor Gregory MacRae,
University of Canterbury, New Zealand

Registration:

<https://researcheracademy.elsevier.com>

This webinar examines the implications and effectiveness of seismic performance legislation and its impact on building resilience and safety. (iarcs.eu)

December 2024

Intelligent Earthquake Response Prediction and Resilience Assessment for Building Clusters

Speaker: Professor Ying Zhou, Tongji University, China

Watch: <https://youtu.be/> (available via IARCS webinar page)

Focuses on AI-based prediction models and resilience assessment frameworks for building clusters. (iarcs.eu)

October 2024

Cost- and Resilience-Based Prioritization of Bridges for Pre-Earthquake Strengthening

Speaker: Professor Anastasios Sextos,
University of Bristol, UK

Watch: <https://youtu.be/>

Explains resilience-based frameworks to identify priority bridges for strengthening. (iarcs.eu)

June 2024

Towards Resilience of Complex Infrastructure Systems

Speaker: Professor Michael Beer, Leibniz Universität Hannover, Germany

Watch: <https://youtu.be/>

Discusses uncertainty, reliability, and resilience modeling in complex infrastructure systems. (iarcs.eu)

May 2024

Network Analytics for Sustainable Resilient Cities

Speaker: Professor Bilal M. Ayyub, University of Maryland, USA

Watch: <https://youtu.be/>

Explores network-based approaches for analyzing resilience and sustainability in cities. (iarcs.eu)

April 2024

Moving Toward Risk, Resilience, and Sustainability of Civil Infrastructure in a Life-Cycle Optimization Context

Speaker: Professor Dan M. Frangopol, Lehigh University, USA

Watch: <https://youtu.be/>

Presents life-cycle optimization methods for resilient infrastructure decision-making. (iarcs.eu)

March 2024

From Performance-Based Design of Buildings to Resilience-Based Design of Cities

Speaker: Professor Božidar Stojadinović, ETH Zürich, Switzerland

Watch: <https://youtu.be/>

Explains the transition from individual building design to city-level resilience design. (iarcs.eu)

December 2023

Measuring Community Resilience Based on Four Areas of Community Stability

Speaker: Professor John W. van de Lindt, Colorado State University, USA

Watch: <https://youtu.be/>

Calendar

2026

JUNE

4–5. Intl. Conf. on Infrastructure Resilience & Disaster Risk, Tallinn, Estonia.
<https://academicworldresearch.org>

11–13. Intl. Conf. on Civil, Structural & Transportation Eng. (ICCSTE 2026), Barcelona, Spain. <https://iccste.com>

16–19. Intl. Conf. on Resilience, Earthquake Eng. & SHM (ICONREM 2026), Florence, Italy. <https://iconrem.it>

17. Integrating Risk Reduction & Risk Finance Conference, Bonn, Germany.
<https://www.undrr.org>

SEPTEMBER

2–4. Engineering Mechanics Institute Conf. (EMI 2026), Naples, Italy.
<https://www.asce.org/events/emi>

14–18. European Conf. on Earthquake Engineering (ECEE 2026), Berlin, Germany. <https://www.ecee2026.eu>

14–15. Intl. Symp. on Earth Science, Civil & Environmental Eng. (ISECEE 2026), Berlin, Germany. <https://isecee.org>

23–25. Florida Resilience Conference, USA.
<https://floridaresilienceconference.org>

NOVEMBER

6–12. IAEM Annual Conference & EMEX 2026 – Emergency Management & Resilience, Long Beach, USA.
<https://www.iaem.org/usconf/>

17–19. National Disaster Resilience Conference (NDRC 2026), Clearwater Beach, USA.

<https://nationaldisasterresilienceconference.org>

19. Euro-CASE Annual Conf. – Engineering Resilience, Belfast, Ireland.
<https://www.euro-case.org>

DECEMBER

1–4. Intl. Conf. on Engineering Structures (ICES 2026), Brisbane, Australia.
<https://icesconf.org>

2027

JANUARY

20–22. Intl. Conf. on Civil & Building Engineering Informatics (ICBEI 2027), Auckland, New Zealand.
<https://www.icbei2027.auckland.ac.nz>

MARCH

1–5. ASCE Infrastructure & Engineering Experience (ASCE 2027), Philadelphia, USA. <https://www.asce.org/events>

22–23. Intl. Conf. on Civil, Infrastructure & Smart Cities (INFRASMART2027), Zurich, Switzerland.
<https://infrastructure2027.pagesconferences.org>

APRIL

15–17. World Congress on Civil, Structural & Environmental Eng. (CSEE 2027), Lisbon, Portugal. <https://cseecongress.com>

20–24. Seismological Society of America Annual Meeting (SSA 2027), Seattle, USA.
<https://meetings.seismosoc.org/>

22–24. IABSE Symposium 2027 – Structural Failures: Causes, Investigation, Resilience, Mitigation & Standardisation, Guwahati, India. <https://www.iabse.org/Guwahati2027>

MAY

10–14. Understanding Risk Global Forum 2027 – Disaster Risk, AI & Resilient Futures, Abu Dhabi, UAE.
<https://www.gfdrr.org/en/understandingrisk>

25–27. Europe & Central Asia Regional Platform for Disaster Risk Reduction, Bucharest, Romania. <https://www.undrr.org>

JUNE

7–9. fib Symposium 2027 – Structural Concrete & Resilient Infrastructure, Dresden, Germany. <https://fib-2027.org/>

14–18. EERI Annual Meeting 2027, Bellevue, USA. <https://www.eeri.org>

28 Jun–1 Jul. Intl. Conf. on Sustainability in Geotechnical Eng. (ICSGE 2027), Lisbon, Portugal. <https://icsge.lnec.pt>

SEPTEMBER

7–10. Experimental Vibration Analysis of Civil Eng. Structures (EVACES 2027), Perugia, Italy.

21–24. European Conf. on Numerical Methods in Geotechnical Eng. (NUMGE 2027), Graz, Austria.
<https://www.thecivilengineer.org/events>

22–24. Intl. Conf. on Resilient Systems (ICRS 2027), Darmstadt, Germany.
<https://resilience-conference.org/>

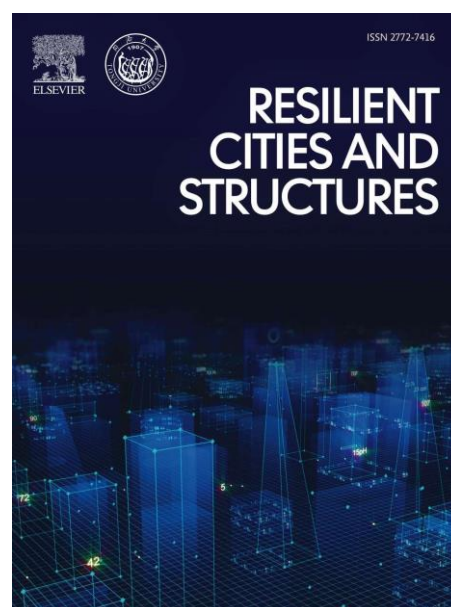
Resilient Cities and Structures Journal

The Resilient Cities and Structures Journal is an international scientific publication dedicated to advancing research, innovation, and professional practice in the fields of urban resilience, structural engineering, infrastructure systems, and sustainable development. The journal provides a multidisciplinary platform for researchers, engineers, policymakers, and practitioners to share high-quality studies, emerging methodologies, and practical solutions that contribute to safer, smarter, and more resilient communities.

The journal aims to promote scientific excellence and foster global collaboration on topics related to resilience engineering, structural health monitoring, disaster risk reduction, climate adaptation, smart infrastructure, multi-hazard analysis, and sustainable urban development.

By bridging research and practice, the journal supports the development of innovative strategies that enhance the ability of cities and infrastructure systems to withstand, adapt to, and recover from natural and man-made hazards.

The Resilient Cities and Structures Journal welcomes original research articles, review papers, technical notes, and case studies that contribute to the advancement of resilient and sustainable infrastructure worldwide.



Stay Connected with IARCS

The International Association of Resilient Cities and Structures (IARCS) remains committed to advancing global resilience through research, collaboration, education, and innovation. We invite researchers, professionals, policymakers, and students to engage with our growing international community by participating in our conferences, webinars, and collaborative initiatives. Together, we can contribute to building safer, more resilient, and sustainable cities and infrastructure for future generations.

To learn more about our activities, upcoming events, and opportunities for collaboration, please visit our website and follow our latest updates.



Website: <https://iarcs.eu/>



Email: info@iarcs.eu



Events: <https://iarcs.eu/Events.html>



Webinars: <https://iarcs.eu/Webinars.html>

FEEDBACK

We value the voices of our readers and invite you to share your thoughts, ideas, and suggestions. Whether you wish to highlight emerging resilience topics, propose new themes, or contribute insights from your own work, your input plays a vital role in strengthening our community.

International Association of Resilient Cities and Structures (IARCS)

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