



16TH INTERNATIONAL CONFERENCE

ON FRACTURE MELBOURNE, AUSTRALIA

28 June – 2 July 2027

Structural Integrity for Sustainability & Circular Economy



You are cordially invited to the 'Olympics of Fracture Mechanics' - the '16th International Conference on Fracture (ICF-16)' to be held in Melbourne, Australia from 28 June to 2 July 2027.

Founded in 1965, the International Conference on Fracture (ICF) series is organised quadrennially by the premier global organisation - the 'International Congress on Fracture'. ICF has become a global, trademark event devoted to the mechanics of fracture, fatigue and strength of solids. ICF-16 will facilitate an international forum for researchers, industry practitioners, engineers and graduate students to exchange and disseminate recent findings on contemporary topics in structural integrity, fracture mechanics, fatigue, damage tolerance, failure analysis and allied fields.

We are proud to facilitate the organisation of this premier quadrennial international conference at RMIT University in Melbourne, the vibrant cultural hub of wonderful Australia. Its multicultural atmosphere, modern infrastructure, strong international connectivity, and renowned tourism appeal will ensure an unforgettable experience.

Prof Raj Das

Chair | RMIT University, Australia

Scope & History

The objective of the ICF is to foster research on the structural integrity and failure analysis of engineering materials and structures in order to promote durable and sustainable materials, manufacturing and design for different applications.

One key aim of the ICF is to promote related international cooperation among scientists and engineers and to provide means for the public dissemination of the results from these efforts. Held every four years, these conferences are intended to cover progress on all aspects of the mechanical behaviour of materials from both macroscopic and microscopic viewpoints, including fracture, fatigue, and damage mechanics perspectives.

ICFs were previously held as follows:

- ICF-1: Sendai (Japan) 1965
- ICF-2: Brighton (UK) 1969
- ICF-3: Munich (Germany) 1973
- ICF-4: Waterloo (Canada) 1977
- ICF-5: Cannes (France) 1981
- ICF-6: New Delhi (India) 1984
- ICF-7: Houston (USA) 1989
- ICF-8: Kiev (Ukraine) 1993
- ICF-9: Sydney (Australia) 1997
- ICF-10: Honolulu (USA) 2001
- ICF-11: Torino (Italy) 2005
- ICF-12: Ottawa (Canada) 2009
- ICF-13: Beijing (China) 2013
- ICF-14: Rhodes (Greece) 2017
- ICF-15: Atlanta (USA) 2023
- ICF-16: Melbourne (Australia) 2027**

Join us in Melbourne, Australia, for the premier conference on mechanics and mechanisms of fracture and strength of solids.

Main Topics

ICF-16 will cover contemporary topics in structural integrity, fracture mechanics, fatigue, damage tolerance, failure analysis and allied fields, encompassing nano-, micro- and macro-scale mechanics of failure and a wide range of material systems, including metals, composites, polymers, ceramics, concrete, and biomaterials. The application domains incorporate interdisciplinary science and engineering disciplines, such as aerospace, biomedical, civil, manufacturing, materials, mechanical, mechatronics, chemistry, physics, and mathematics, including theoretical, computational and experimental aspects.

Conference Venue

RMIT City Campus

RMIT University, Melbourne City Campus 336–348 Swanston St, Melbourne, VIC

The venue for ICF-16 will be RMIT University - Melbourne city campus. Storey Hall is a multi-function venue, containing a 460-seat auditorium, lecture theatres, and seminar rooms. First built as the Hibernian Hall in 1887 and remodelled as the Storey Hall in 1995, the iconic Storey Hall is both architecturally and historically significant.



Call For Papers

We invite you to submit an abstract and subsequently a full paper. The abstracts and full papers will be peer-reviewed by expert reviewers, including members of the National and International Scientific Committees. The abstract submission and registration instructions are on the conference website: <https://deakin.au/ICF16>

Key Dates

Abstract submission deadline: 30 Nov 2026

Preliminary program posted: 1 Feb 2027

Deadline for early registration: 15 Apr 2027

**ICF-16 in Melbourne, Australia
28 June – 2 July 2027**

Support Partners



Organising Team

Chair: Prof Raj Das
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Prof. M. Brandt	Prof. M. Easton	Prof. B. Gludovatz
Prof. R. Jones	Prof. J. Kruzic	Prof. M. Leary
Prof. Y.W. Mai	Dr B. Main	Prof. P. Marzocca
Prof. A. Molotnikov	Prof. M. Mostafavi	Prof. A. Paradowska
Prof. M. Qian	Prof. B. Rolfe	Prof. D. Ruan
Dr. C. Wallbrink	Prof. C. Wang	Prof. W. Yan

Conference Secretariat – Deakin Event Management Services
E: ICF16@deakin.edu.au Ph: +61 3 92468150

Registration & Fees

All registrations are to be paid in Australian dollars (AU\$). Prices exclude GST.

EARLY BIRD (~Euro 600/USD 700) valid until 15 Apr 2027	\$990
STANDARD (~Euro 650/USD 780) after 15 Apr 2027	\$1100
EARLY BIRD STUDENT (~Euro 340/USD 400) valid until 15 Apr 2027	\$550
STANDARD STUDENT (~Euro 360/USD 430) after 15 Apr 2027	\$600
ACCOMPANYING (~Euro 120/USD 140) PERSON	\$200

Location

Melbourne, Australia

Melbourne is the capital of the south-eastern Australian state of Victoria. Melbourne is consistently rated as one of the world's most liveable cities and is internationally recognised as a major hub for education, innovation, and research, commonly hosting leading universities, research institutions and industries. Set on the shores of picturesque Port Phillip Bay, Melbourne is rich in aesthetics, with its beauty enhanced by the meandering Yarra River, immaculate parks and gardens, public art, classical buildings and innovative design. Its multicultural atmosphere, modern infrastructure, strong international connectivity, and renowned tourism appeal will guarantee an unforgettable experience.

For more information:

visitmelbourne.com/Regions/Melbourne

RMIT University

The Royal Melbourne Institute of Technology (RMIT University), established in 1887, is a leading university in engineering and science. One of Australia's original tertiary institutions, RMIT University enjoys an international reputation for excellence in professional education, fundamental and applied research, and engagement with the industry and the community. RMIT Melbourne City campus is located in the cosmopolitan heart of "one of the world's most liveable cities" and is surrounded by public transport, shops, cafes, theatres, galleries and parks. The campus has been an integral part of Melbourne's character for more than one hundred years.

For more information: www.rmit.edu.au