It is with great pleasure that we invite you to participate in the 35th Congress of the International Council of the Aeronautical Sciences (ICAS). ICAS was established in 1957 under the leadership of Professor Theodore von Kármán. Today ICAS continues to support the work of aerospace professional Member Societies around the world. Through Associate Memberships, ICAS brings together aerospace companies, national laboratories and educational institutions.

The ICAS 2026 Congress will be held in Sydney, Australia, from 13 to 18 September 2026: we will be hosted by one of the premier aerospace nations in an iconic city famed for its vibrant cosmopolitan melting pot of culture and technology. In Sydney we will build on the great success of the 2024 Florence Congress and our global aerospace community will meet and address the theme of SHAPING AVIATION FOR SOCIETY. The Florence program was boosted by the invited participation of leading researchers, designers, managers and policymakers who were able to share their strategic vision for the future of aerospace with our delegates. The same will happen in Sydney, as our world faces challenges where our industry continue to strive for a sustainable future while experiencing rapidly changing conditions.

The ICAS Congress has three distinctive characteristics: it is multi-disciplinary, recognising that major advances must involve experts working together across a range of specialisms; it recognises that social interaction and conviviality are essential ingredients of knowledge exchange, and are enhanced by selecting culturally rich settings for our Congresses; and it offers unparalleled opportunities for early career researchers to develop their network and to make a real contribution to international collaboration. The unique atmosphere of an ICAS Congress builds life-long collaboration, mutual understanding and international friendship, while sending a strong message to society that our global community is working together to solve global challenges.

For 2026 we particularly welcome papers supporting the theme, SHAPING AVIATION FOR SOCIETY, which cross over between the traditional topic areas listed later in this call, and which bring in ideas from other sectors, especially novel concepts in energy, control, materials and the increased gathering and use of data, particularly where the certification of these disruptive technologies is addressed.

We very much look forward to seeing you in Sydney in 2026 and to hearing about your contribution to solving the challenges facing our industry, be it novel ideas or new ways of working. Please respond to this Call for Papers and share your latest work at our biennial celebration of the aeronautical science, innovation and creativity – in the vibrant city of Sydney.



Christopher Atkin
ICAS President



Gunnar Holmberg
Chair Programme Committee

MESSAGE FROM THE ROYAL AERONAUTICAL SOCIETY AUSTRALIAN DIVISION

Dear Colleagues,

On behalf of the Royal Aeronautical Society Australian Division (RAeS AD) I am honoured to invite professionals from academia, industry and government to attend the 35th Congress of the International Council of the Aeronautical Sciences (ICAS) in Sydney, Australia.

Since the first ICAS Congress in Madrid in 1958, this has become the world´s primary forum for aeronautical technology. The long-lasting success of the ICAS Congresses will be confirmed and strengthened in Sydney in 2026, due to the participation of leading experts and leaders of top aerospace industries, research centres, universities, and government representatives.

Australia has a strong aeronautical heritage, going back to the 1890s when Lawrence Hargrave designed and flew some of the first heavier-than-air kites and flying machines. Our national airline Qantas pioneered key aspects of airline travel and recently Boeing Australia designed and built an advanced stealth unmanned aerial vehicle, the MQ-28 Ghost Bat. This fascination and ingenuity in aeronautical engineering continues to this day, and we are looking forward to showcasing this to you at ICAS 2026.

We look forward to welcoming you to Sydney, Australia.



Margaret Staib
President of the Royal Aeronautical Society
Australian Division (RAeS AD)