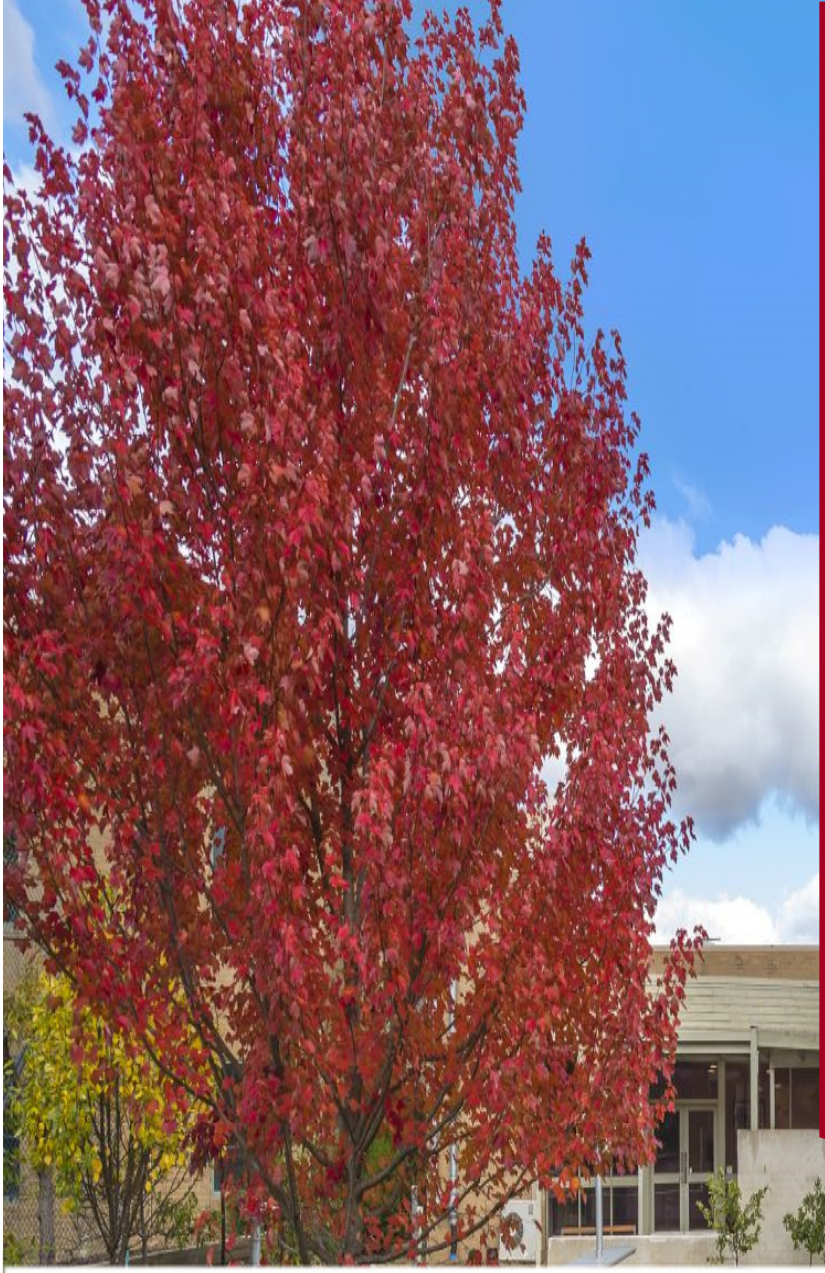

CALL FOR PAPERS

NOW OPEN

AEES National Conference

Women in Earthquake Engineering and Science Communication

24-25 November 2022

VEMI Conference Centre

601 Mount Macedon Road

Mount Macedon, VIC, Australia

ENGINEERS AUSTRALIA

AUSTRALIAN EARTHQUAKE ENGINEERING SOCIETY

This year's theme recognises the importance that gender diversity plays in bringing new ideas and perspectives to solve problems in earthquake engineering and engineering seismology. Through this meeting the Society aims to highlight the contribution that women make to our profession and inspire young women and girls to pursue a career in earthquake engineering and seismology as well as other STEM professions. We welcome papers from all members and those interested in promoting the practice of earthquake engineering and engineering seismology in Australia. Topics may include:

- Women in earthquake engineering and other STEM professions;
- Communication of natural hazards and risks;
- Challenging current design standards;
- Engineering seismology in areas of low seismicity;
- Recent earthquakes – observations, impacts and response;
- Disaster planning, response, recovery and resilience studies;
- Structural monitoring;
- Seismic retrofit of existing structures;

The committee will also welcome papers on general earthquake engineering and engineering seismology.

Please send an abstract of not more than 200 words by **Friday 3 June 2022**. Upon receipt and review of abstract, authors will receive further instructions on acceptance of their abstract and instructions for writing full papers. Papers will be peer reviewed and, if accepted, published in the conference proceedings, and later on the AEES website.

Keynote & Invited Speakers

Associate Prof Katrin Beyer

Head of the Earthquake Engineering and Structural Dynamics Laboratory
École Polytechnique Fédérale de Lausanne (EPFL), Switzerland

Katrin Beyer received her PhD from the University of Pavia, Italy and is currently associate dean of the School of Architecture, Civil and Environmental Engineering (ENAC) at EPFL. She is member of the executive committee of the European Association for Earthquake Engineering and was responsible for the revision of the masonry section of the European seismic design code (Eurocode 8 Part 1). Her research interests include the seismic behaviour of reinforced concrete walls and of unreinforced masonry structures and large-scale structural testing.

Topic: Seismic behaviour of historical stone masonry structures – how well can we predict it?

Dr Wendy Bohon

Senior Science Communication Specialist, Incorporated Research Institutions for Seismology, Washington DC, USA

Wendy Bohon is a geologist who studies earthquakes and works to improve the communication of hazard and risk before, during and after rapid onset geologic hazards. Dr. Bohon has a BA in Theatre and Geology and an MSc and PhD in Earthquake Geology and geoscience education. Her research interests include geomorphology, paleoseismology, landscape evolution, geologic hazards communication and geoscience education.

Topic: Geohazards Communication: how, why, and when to talk about earthquakes

Hélène Dutrisac

Deputy Chief Civil Engineer and Head of Structural Engineering
Directorate of Architectural and Engineering Services, Department of National Defence, Canada

Hélène Dutrisac (P. Eng., M. Eng., MBA) has over 20 years of combined public, private and industry sector experience in structural and earthquake engineering including analysis, design, field review, project management, policy development and regulatory enforcement. Ms. Dutrisac has been involved in the development of codes and standards over the last decade, in particular, the seismic provisions of the National Building Code of Canada (NBC) and is a member of several Canadian Standards Association (CSA) structural material design standard technical committees. Ms. Dutrisac is also currently pursuing research in performance-based seismic design at the University of Ottawa.

Topic: Advancements in code seismic provisions in Canada

Dinner Speaker

Jane MacMaster

Chief Engineer, Engineers Australia

In 2020, Jane MacMaster was appointed by Engineers Australia to the newly-created role of Chief Engineer. Following a successful career in the mechanical, aerospace, systems design engineering sector, Jane worked as a senior advisor within the strategy unit of the Department of the Prime Minister and Cabinet. She is passionate about the engineering profession and its contribution to societal challenges through design, problem-solving, technology, systems approaches, asking the right questions and thinking things through.

Topic: Engineering for Australia Taskforce - encouraging girls and women into engineering (and other STEM) professions