Commission on Mathematical Geophysics

Call for nominations: The 2026 Vladimir Keilis-Borok Medal

Scope
The Vladimir Keilis-Borok Medal of the IUGG Commission on Mathematical Geophysics (CMG), established by the IUGG Bureau in May 2021, recognizes middle career scientists who made important contributions to the field of mathematical geophysics. The aim of the Medal is to honor the legacy of Keilis-Borok – a visionary science leader and organizer, prolific seismologist and mathematical geophysicist, the CMG founder, and former IUGG President – in promoting transformative scientific advancement and selfless leadership. The medal is awarded biennially.

Award presentation
The Medal will be presented at a CMG scientific event to be held in 2026. The awardee will be invited to deliver the Keilis-Borok Medal Lecture.

Eligibility
Nominees must have completed their PhD (or highest equivalent) degree at least 10, and not more than 20, years before the published nomination deadline for this call[1]. The members of the medal committee and the officers of the CMG (during their terms in office) are not eligible to be nominated.

Nomination
The nomination deadline is **December 15, 2025**. Nominations are accepted from any member of the science community. Self-nominations are not accepted. The CMG Executive Committee members or members of the medal committee may not nominate candidates or provide a reference letter.

Format of nomination
A nomination should include:
- Nomination letter (max 2 pages). The nomination letter, preferably on the nominator's letterhead, must include the nominator's name, position, affiliation, and contact details. The nomination letter must clearly explain why the nominee deserves the recognition. Focus should be given to the nominee's contributions in the specific field of mathematical geophysics (such as the development of mathematical theories; novel mathematical, numerical or statistical methods; new computational approaches, AI or machine learning techniques; etc.), rather than on contributions to other areas of geophysical science that happen to involve use of mathematical/computational/statistical tools and techniques. The nomination letter should also describe the candidate's broader impact on the discipline, and their leadership role within the scientific community. The nomination letter might refer to the candidate's publications as listed in the selected bibliography.
- Curriculum Vitae (max 2 pages). The curriculum vitae must include the nominee's name, contact information, degrees, history of employment, and main research, service, and leadership contributions.

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[1] This period may be extended to reflect time spent away from active research (e.g. for parental leave, military service, part-time working, or employment in a non-research role). Where an extension is necessary, a brief account of the period(s) claimed should be included with the nomination package (max 1 page). All extensions are ultimately at the discretion of the medal committee.

• <u>Selected bibliography (max 2 pages).</u> A list of selected publications by the nominee that best support the nomination. It must also summarize the nominee's total number and types of publications.

• <u>Reference letters (each max 1 page).</u> Each nomination should be supported by 3 letters, which clearly establish the nominee's recognized contribution to the field of mathematical geophysics.

The nomination materials must use Times New Roman 12pt, Arial 11pt, Calibri 11pt, or comparable fonts. The total nomination package must be no more than 10 pages. Only complete and properly formatted packages will be forwarded for review. A single PDF file with the nomination materials should be sent to: andrew.valentine@durham.ac.uk

Medal Committee
Enamundram Chandrasekhar, Indian Institute of Technology Bombay, Mumbai, India
Alik Ismail-Zadeh, Karlsruhe Institute of Technology, Germany (Chair)
Elisa Mantelli, University of Munich, Germany
Leslie M. Smith, University of Wisconsin – Madison, USA
Andrew Valentine, Durham University, UK

Previous Vladimir Keilis-Borok Medalists
- Dr. Valerio Lucarini, Professor of the University of Leicester, UK (2024)
- Dr. Frederik J. Simons, Professor of Princeton University, USA (2022)