

Update on Cospar Activities

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Background

- **Origin:** Established by the International Council for Science (ICSU) in 1958 as an outgrowth of the International Geophysical Year and the launch of Sputnik 1. COSPAR's first scientific assembly was held in London in 1958.
- **Goals:** To promote international scientific research in space, with emphasis on the exchange of results, information and opinions, and to provide a forum, open to all scientists, for the discussion of problems that may affect scientific space research.
- **Mechanisms:** Cospar addresses its goals by sponsoring scientific assemblies, symposia, topical colloquia, capacity-building workshops and fellowships, the creation of scientific roadmaps, awards and publications
- **Finances:** COSPAR's income is derived mainly from national contributions (2017 U.S. contribution €23,264 [same as Russia and China]), publication royalties and registration fees. It's primary expenses are the organization of scientific meetings, support to scientists, publications, office and operating expenses.

COSPAR and the SSB

- The SSB is the U.S. National Committee for COSPAR
- NAS President appoints U.S. Representative to COSPAR based on SSB nomination: **Charles Kennel became U.S. Representative to COSPAR in January, 2015**, and was subsequently appointed vice chair of COSPAR's Scientific Advisory Committee by COSPAR President
- U.S. Representative was automatically one of COSPAR two vice presidents (second vice president appointed by the Soviet/Russian Academy of Sciences) until 1994. Since then, the elected U.S. vice presidents have been:
 - Louis J. Lanzerotti (1994-2002)
 - Edward C. Stone (2002-2010)
 - Robert P. Lin (2010-2012)

COSPAR Council and Bureau

Council

- COSPAR President
- Representatives of the 43 national member organizations
- Representatives of 13 participating international scientific unions
- Chairs of COSPAR's 8 scientific commissions
- Chair of the finance committee

Bureau

- COSPAR President:
Lennard A. Fisk (USA)
- COSPAR Vice-Presidents:
Wu Ji (China)*
A. Jayaraman (India)
- Members:
I. S. Batista (Brazil)*
K.-H. Glassmeier (Germany)*
C. Césarsky (France)
S. Sasaki (Japan)*
J.-P. St.-Maurice (Canada)*
M. Panasyuk (Russia)

* second and final term ends in July 2018

Cospar Scientific Assemblies

42nd
Pasadena
14-21
July
2018



43rd
Sydney
15-23
August
2020



Pasadena Assembly Ringleaders

- Thomas Prince, California Institute of Technology-KISS
Chair, Science Program Committee
- Rosaly Lopes, Jet Propulsion Laboratory
Deputy Chair, Science Program Committee
- Gregg Vane, Jet Propulsion Laboratory
Chair, Local Organizing Committee
- David Imel, California Institute of Technology-IPAC
Campus Co-Chair

Pasadena Assembly Overview

COSPAR Interdisciplinary Lectures

- Discovering Earth's Radiation Belts: Six Decades of Astonishing Achievement, Daniel Baker (USA) and Mikhail Panasyuk (Russia)
- Large-scale Quantum Communication Network with Satellites, Jian-Wei Pan (China)
- Gaia: the Galaxy in 6 Dimensions, Elena Pancino (Italy)
- Economic Value of a More Advanced Climate Observing System, Bruce Wielicki (USA)
- Searching for Life Outside the Earth, in Our Solar System and Beyond, Penelope Boston (USA)
- Ocean Worlds of the Outer Solar System, Alexander Hayes (USA)

Other Special Events

- Space Agency Roundtable
Participants from ASI, CNES, DLR, ESA, IKI, ISAS/JAXA, ISRO(?), NASA
- Panel Discussion on International Space Exploration Scenarios
Participants from CSA, ESA, JAXA(?), LEAG, MEPAG, SSB, UNOOSA,
- Latest Results
- COSPAR 60th Anniversary Roundtable
- Public Lecture: “Mapping the Nearest Stars for Habitable Worlds,”
Sara Seager

2022 Scientific Assembly

Cities contending as hosts for the 44th Scientific Assembly In 2022 are:

- **Athens, Greece;**
- **Lausanne, Switzerland;**
- **Prague; Czech Republic;**
- **Warsaw, Poland.**

The selection will be made in Pasadena in July.



Off-Year Symposia

- A COSPAR initiative to engage small/mid-size COSPAR member nations, i.e., those without the large facilities necessary to hold a Scientific Assembly
 - Symposia are thematic in nature and not intended to engage all parts of COSPAR. Capacity building is a major focus
 - 1st Symposium, 11-15 November 2013, Bangkok, Thailand
 - 2nd Symposium, 9-13 November 2015, Foz do Iguaçu, Brazil
 - 3rd Symposium, 18-22 September 2017, Jeju Island, South Korea
 - 4th Symposium, 4-8 November (TBC) 2019, Tel Aviv, Israel
- Theme: *Small Satellites for Sustainable Science and Development*



Thank You