

# 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

**42<sup>nd</sup>  
Pasadena  
14-21  
July  
2018**



**43<sup>rd</sup>  
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

SATURDAY JULY 14	SUNDAY JULY 15	MONDAY JULY 16	TUESDAY JULY 17	WEDNESDAY JULY 18	THURSDAY JULY 19	FRIDAY JULY 20	SATURDAY JULY 21	SUNDAY JULY 22
IAA DAY (OPEN TO ALL PARTICIPANTS) (8:30 - 16:00)		INTERDISC. LECTURE (8:30 - 9:15)	INTERDISC. LECTURE (8:30 - 9:15)	INTERDISC. LECTURE (8:30 - 9:15)	INTERDISC. LECTURE (8:30 - 9:15)	INTERDISC. LECTURE (8:30 - 9:15)	COSPAR COUNCIL (CLOSED) (9:30 - 12:30)	
ASTRONOMY DAY (TBD) (10:00 - 19:00)	SCIENTIFIC SESSIONS (9:30 - 11:00)	SCIENTIFIC SESSIONS (9:30 - 11:00)	SCIENTIFIC SESSIONS (9:30 - 11:00)	SCIENTIFIC SESSIONS (9:30 - 11:00)	SCIENTIFIC SESSIONS (9:30 - 11:00)	SCIENTIFIC SESSIONS (9:30 - 11:00)	SCIENTIFIC SESSIONS (9:30 - 11:00)	
	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	
	SCIENTIFIC SESSIONS (11:30 - 13:00)	SCIENTIFIC SESSIONS (11:30 - 13:00)	SCIENTIFIC SESSIONS (11:30 - 13:00)	SCIENTIFIC SESSIONS (11:30 - 13:00)	SCIENTIFIC SESSIONS (11:30 - 13:00)	SCIENTIFIC SESSIONS (11:30 - 13:00)	SCIENTIFIC SESSIONS (11:30 - 13:00)	
	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH / ELSEVIER REVIEWER WORKSHOP	LUNCH	LUNCH	
	LATEST RESULTS (14:00 - 15:30)	SCIENTIFIC SESSIONS (14:00 - 15:30)	SCIENTIFIC SESSIONS (14:00 - 15:30)	SCIENTIFIC SESSIONS (14:00 - 15:30)	SCIENTIFIC SESSIONS (14:00 - 15:30)	SCIENTIFIC SESSIONS (14:00 - 15:30)	SCIENTIFIC SESSIONS (14:00 - 15:30)	
COSPAR COUNCIL (CLOSED) (17:00 - 19:30)	ROUND TABLE (15:45 - 17:15)	POSTERS DISPLAYED (09:30 - 19:30) BREAK	POSTERS DISPLAYED (09:30 - 19:30) BREAK	POSTERS DISPLAYED (09:30 - 19:30) BREAK	POSTERS DISPLAYED (09:30 - 19:30) BREAK	POSTERS DISPLAYED (09:30 - 19:30) BREAK	POSTERS DISPLAYED (09:30 - 19:30) BREAK	
	OPENING AND AWARDS CEREMONY (17:30 - 19:30)	SCIENTIFIC SESSIONS (16:00 - 17:30)	SCIENTIFIC SESSIONS (16:00 - 17:30)	SCIENTIFIC SESSIONS (16:00 - 17:30)	SCIENTIFIC SESSIONS (16:00 - 17:30)	SCIENTIFIC SESSIONS (16:00 - 17:30)	SCIENTIFIC SESSIONS (16:00 - 17:30)	
	IAA BANQUET DINNER (19:00 - 22:00)	EXHIBIT HALL OPENING & POSTER SESSION (17:30 - 19:30)	POSTER SESSION (17:30 - 19:30)	POSTER SESSION (17:30 - 19:30)	POSTER SESSION (17:30 - 19:30)	POSTER SESSION (17:30 - 19:30)	POSTER SESSION (17:30 - 19:30)	
		INTERDISC. LECTURE (19:45 - 20:30)	OPEN SC / PANEL BUSINESS MEETINGS (18:30 - 20:30)	OPEN SC / PANEL BUSINESS MEETINGS (18:30 - 20:00)	OPEN SC / PANEL BUSINESS MEETINGS (18:30 - 20:30)	POSTER SESSION (17:30 - 19:30)	POSTER SESSION (17:30 - 19:30)	
		ELSEVIER AUTHOR WORKSHOP (21:00 - 22:30)		PUBLIC LECTURE (20:00 - 21:30)		COSPAR EVENING FOR ALL (19:30 - 22:00)	COSPAR COUNCIL EVENING (CLOSED) (20:00 - 22:00)	

# 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 60<sup>th</sup> Anniversary Roundtable**

- **Public Lecture:** “Mapping the Nearest Stars for Habitable Worlds,”  
Sara Seager

# 2022 Scientific Assembly

**Cities contending as  
hosts for the 44<sup>th</sup>  
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
  - 1<sup>st</sup> Symposium, 11-15 November 2013, Bangkok, Thailand
  - 2<sup>nd</sup> Symposium, 9-13 November 2015, Foz do Iguaçu, Brazil
  - 3<sup>rd</sup> Symposium, 18-22 September 2017, Jeju Island, South Korea
  - 4<sup>th</sup> Symposium, 4-8 November (TBC) 2019, Tel Aviv, Israel
- Theme: *Small Satellites for Sustainable Science and Development*



**Thank You**