

COSPAR 2018

42ND ASSEMBLY | 60TH ANNIVERSARY

July 14 – 22, 2018 Pasadena, California, USA

www.cospar2018.org

Hosted by **Caltech**, Home of **JPL**

Anchor Sponsorship by **LOCKHEED MARTIN** 

■ **Origin:** Established by the International Council for Science (ICSU) in 1958 as an outgrowth of the International Geophysical Year and the launches of Sputnik 1 and Explorer 1.

■ **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, etc.

2018 Local Organizing Committee (LOC)

- Gregg Vane; JPL, Chair
- David Imel; Caltech-IPAC, Campus Co-Chair
- Mary Ellen Barba; Caltech-IPAC
- Katrina Christian; JPL
- Scott Fouse; Lockheed Martin, Anchor Sponsor
- Tina Lowenthal; Caltech
- Jeanne O'Grady; Pasadena Convention and Visitors Bureau (PCVB)
- Ellen O'Leary; Caltech-IPAC
- David Smith; National Research Council
- Mary Snitch; Lockheed Martin, Anchor Sponsor
- Daniel Vest; Caltech
- Deborah Watson; JPL

2018 Scientific Program Committee (SPC)

- Tom Prince; Caltech, Chair
- Rosaly Lopes; JPL, Deputy Chair

Professional Conference Organizer (PCO)

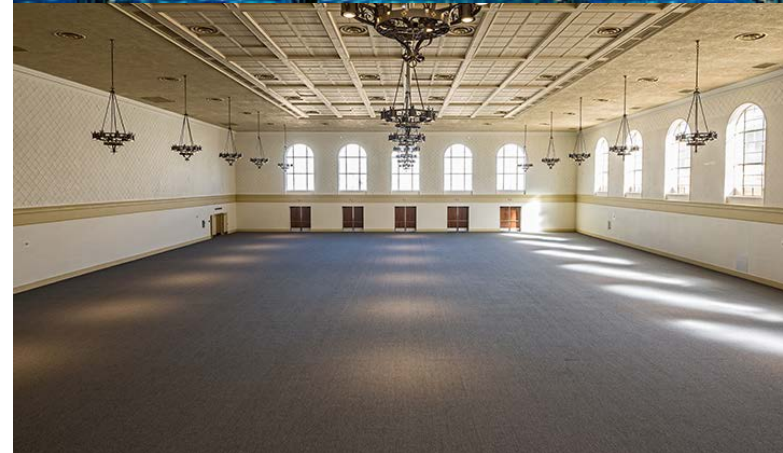
- Mathias Posch; International Conference Services, President & Partner,
- Grit Schoenherr; International Conference Services, Director of Operations
- Laura Robinson; International Conference Services, Assembly Manager

Commission/ Panel Chairs

- Michel Boër, FRANCE (PE)
- Pascale Ehrenfreund, Austria/Netherlands/USA (PEX)
- Ralph Kahn, USA (SC A)
- Gerhard Kminek, ESA/ESTEC (PPP)
- Oleg Korablev, RUSSIA (SC B)
- Maria Kuznetsova, USA (PSW)
- Claus Laemmerzahl, GERMANY (SC H)
- Mariano Mendez, NETHERLANDS (PCB)
- Ralph McNutt, USA (PIR)
- Takuji Nakamura, JAPAN (SC C)
- Paul O'Brien, USA (PRBEM)
- Heike Peter, GERMANY (PSD)
- Guenther F. Reitz, GERMANY (SC F)
- Klaus Scherer, GERMANY (SC D)
- Thomas Schildknecht, SWITZERLAND (PEDAS)
- Valentina Shevtsova, BELGIUM (SC G)
- Pietro Ubertini, ITALY (SC E)
- Tetsuya Yoshida, JAPAN (PSB)



*Civic Auditorium:
Total seating capacity 2,997*



*Exhibit Hall C: Poster Sessions
17,000 sq ft // 1579.35 sq m*



*Exhibit Hall A + B: Exhibits
55,000 sq ft // 5109.67 sq m*

Pasadena Convention Center

July 14 – 22, 2018 Pasadena, California, USA
www.cospar2018.org



City Hall Plaza: Opening Reception

Social Events

July 14 – 22, 2018 Pasadena, California, USA
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Scientific Program

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) (9:00 - 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)					
		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)		COSPAR COUNCIL (CLOSED) (9:30 - 12:30)	
		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			
STUDENT PROGRAM (15:00 - 19:00)		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)			
		ROUND TABLE (15:45 - 17:15)		BREAK		BREAK		BREAK		BREAK		BREAK		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)			
				POSTER SESSION WITH BEER AND WINE (17:30 - 19:30)		POSTER SESSION WITH BEER AND WINE (17:30 - 19:30)		POSTER SESSION WITH BEER AND WINE (17:30 - 19:30)		POSTER SESSION WITH BEER AND WINE (17:30 - 19:30)		POSTER SESSION WITH BEER AND WINE (17:30 - 19:30)		POSTER SESSION WITH BEER AND WINE (17:30 - 19:30)			
		IAA BANQUET DINNER (19:00 - 22:00)		OPENING RECEPTION (19:30 - 22:00)		INTERDISC. LECTURE (19:45 - 20:30)		OPEN SC / PANEL BUSINESS MEETINGS (18:30 - 20:30)		OPEN SC / PANEL BUSINESS MEETINGS (18:30 - 20:30)		OPEN SC / PANEL BUSINESS MEETINGS (18:30 - 20:30)		COSPAR EVENING FOR ALL (20:00 - 22:00)		COSPAR COUNCIL EVENING (CLOSED) (20:00 - 22:00)	
ELSEVIER AUTHOR WORKSHOP (21:00 - 22:30)								PUBLIC LECTURE (20:30 - 21:30)									
								Sarah Seager									

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Interdisciplinary Lectures

- **Economic Value of a More Advanced Climate Observing System**
Bruce Wielicki, NASA Langley Research Center, Hampton, VA, USA
- **60 Years of Radiation Belts**
Daniel Baker, LASP, Boulder, CO, USA
Mikhail Panasyuk, Skobeltsyn Institute of Nuclear Physics, Moscow State Univ., Russia
- **Ocean Worlds of the Outer Solar System**
Alexander Hayes, Cornell University, Ithaca, NY, USA
- **Gaia: the Galaxy in 3-Dimensions**
Sofia Randich, Osservatorio Astrofisico di Arcetri, Florence, Italy
- **Large-scale Quantum Communication Network with Satellites**
Jian-Wei Pan, University of Science and Technology of China, Hefei, China
- **Searching for Life outside the Earth, in our Solar System and Beyond**
Penelope Boston, NASA Astrobiology Institute, Moffett Field, CA, USA

SC-A: Space Studies of the Earth's Surface, Meteorology, and Climate

- Spacecraft Instruments and their Use
- Enabling Science in GEOSS through Satellite Observations
- Improving the Understanding of the Carbon Cycle with Satellite Observations and Modeling
- Observing the Anthropocene from Space
- Using Quantified Objectives for Prioritizing Global Environmental Change Measurements
- Space-based and Sub-orbital Observations of Atmospheric Physics and Chemistry
- Scientific Exploitation of Oceanographic Measurements From New Missions and Heritage Data Sets
- Advances in Earth Observation and Technology for Global Terrestrial Cycles

SC-B: Earth-Moon System, Planets, and Small Bodies [*and Exoplanets*]

- The Study of Exoplanet Atmospheres and the Search for Life Outside of the Solar System
- Planetary Science Enabled by CubeSats and Microprobes
- Observations of Planetary Objects with Non-Planetary Spacecraft
- The Golden Age of Small Bodies, Science and Exploration
- Pluto and Charon: The New Horizons Mission Results
- Growing Up: the Long Journey of Planetary Systems from Interstellar Volatiles and Refractories to Asteroids, Comets, and Planets
- References Frames for Applications of Geosciences (REFAG2018)
- Lunar Science and Exploration
- Mars Science Results
- Forward Planning for the Robotic Exploration of Mars
- Juno at Jupiter
- Cassini Highlights at Saturn
- Ocean Worlds: Europa, Enceladus, Titan, and Beyond

SC-C: Upper Atmospheres of the Earth and Planets including Reference Atmospheres *[and Exoplanets]*

- International Standards on Space Environment from ISO
- Advances in Remote Sensing of the Middle and Upper Atmosphere and Ionosphere from Ground and from Space, including Sounding Rockets and Multi-Instrument Studies
- Ionospheric Disturbances Observed through very Low Frequency Radio Waves
- Recent Advances in Equatorial, Low- and Mid-Latitude Mesosphere, Thermosphere and Ionosphere Studies
- Recent Advances in the Thermospheric-Ionospheric-Geospheric Research (TIGER) Program
- The Coupled Solar Wind-Magnetosphere-Ionosphere-Thermosphere System and the Impact of Solar and Geomagnetic Storms on Geospace
- The Regions of Enhanced Risk for Ionospheric Weather
- New Satellite Missions for Thermosphere-Ionosphere Studies and Sciences Performed by Observations, Modeling and Data Assimilation
- Physics, Dynamics and Chemistry of the Mesosphere and Lower Thermosphere (MLT) Region
- Wave Coupling Processes and Consequences in the Whole Atmosphere
- Advances in External Forcing Studies for the Middle Atmosphere and Lower Ionosphere
- Small Satellite Missions for Aeronomy and Ionosphere Studies
- Planetary Atmospheres
- Planetary Upper Atmospheres, Ionospheres, and Magnetospheres
- Improved Description of the Ionosphere through Data Assimilation
- Development of Models Related to the COSPAR International Reference Atmosphere (CIRA) and to ISO Standards for the Atmosphere
- Mars and Venus Atmosphere and Ionosphere Reference Datasets
- Active Space Experiments
- Dusty Plasmas and Dust-Plasma Processes in Space

SC-D—Space Plasmas in the Solar System, Including Magnetosphere

- Overview Talks
- Energetic Particles in the Heliosphere and in the Interstellar Medium: Acceleration, Anisotropy and Anomalous Transport
- Large-Scale Heliospheric Structure: Theory, Modelling, and Data
- Acceleration and Transport of Energetic Particles in the Heliosphere and beyond: from Pickup Ions to Cosmic Rays
- Coordinated Observations and Modeling of Accelerated Particles at the Sun and in the Inner Heliosphere
- Cool Material in the Hot Solar Corona (Prominences & Coronal Rain) and Non-solar Analogs
- Solar Transients: From Solar Origin to Earth Impact and the Outer Heliosphere
- Space Climate
- Highlights of Magnetospheric Plasma Physics
- Cross-Scale Coupling and Multipoint Observations in the Magnetosphere
- Role of Nonthermal Distributions in Wave Generation, Particle Heating and Acceleration in Space Plasmas
- Plasma Transport and Heating Across Boundary Layers
- Particle Acceleration and Loss in the Earth and Planetary Magnetospheres
- Magnetotail Dynamics and Substorms during Storm and Non-storm Time

SC-E: Astrophysics from Space – *sub-commission on Exoplanets*

- Dark Energy at 20
- Structure, Evolution and Dynamics of Neutron Stars
- Activity of the Super-massive Black Hole and Other Energetic Processes at the Galactic Center
- AGN X-ray Surveys: Soft to Hard and Deep to Wide
- The Extreme Physics of Eddington and Super Eddington Accretion onto Compact Objects: Simulations Meet Observations
- Cherenkov Telescope Array: The Ground-based Eyes to Observe the Gamma Ray Universe
- The Gravitational Wave Universe
- Large Space-based Optical and Infrared Surveys
- X- and Gamma-ray Counterparts of the New Transients in the Multi-messenger Exploration Era
- Knocking on Heaven's Door: CMB in Pursuit of the Footprint of Inflation
- Millisecond Pulsars
- Black Hole Astrophysics: Observational Evidence of Theoretical Models
- Origin of Cosmic Rays
- Spectral Meets Timing: A Global Approach to Accretion onto Compact Objects
- Nova Eruptions, Cataclysmic Variables and Related Systems: Observational vs. Theoretical Challenges in the 2020 Era
- The Multi-wavelength View at the Universe as Triggered by the RadioAstron Mission
- Ultraviolet Astronomy and the Quest for the Origin of Life
- Solar and Stellar Flares: Multi-wavelength Observations and Simulations
- Formation, Destabilisation, and Ejection of Magnetic Structures in Solar and Stellar Coronae
- Solar Magnetism: Data-Driven Modeling and Requirements for Future Instrumentation
- Current and Future Projects for Exoplanets Detections and Characterisation
- Planet Formation at High Resolution

SC-F: Life Sciences as Related to Space (including astrobiology)

- Gravity Perception and Response in Plants and Fungi: Ground and Space Studies
- Towards Space Exploration: Radiation Biological Basis
- Space Radiation Risk, Quality of Radiation and Countermeasures: Physical and Biophysical Mechanisms, Modelling and Simulations
- Space Radiation – Dosimetric Measurements and Related Models, Radiation Detector Developments and Ground-based Characterisation
- Genetic Epigenetic and Metabolic Changes in Spaceflight and Simulated Spaceflight Environment
- Space Radiation – Invited Cross Discipline Talks
- Astrobiology – Experiments from Mars Analogue Sites, Earth Orbit, and Beyond
- The Evolving Chemical Universe: from Proto-stars to the Origin of Life : Part 1
- The Past, Present and Future Habitability of Mars
- **Harnessing Redox, pH and other Concentration Gradients at Life's Emergence**
- The Evolving Chemical Universe: from Proto-stars to the Origin of Life : Part 2
- **Biosignature Detection in the Solar System. Part I: Icy Worlds**
- **Biosignature Detection in the Solar System. Part II: Mars, Earth, and ExoPlanets**
- Searches for Advanced Extraterrestrial Life: Signatures, Strategies and Technologies
- Innovative Approaches to Space Habitation
- Advanced Life Support Testbeds and Facilities
- Principles and Applications of Mathematical and Computer Modelling CELSS
- Influence of Spaceflight Environments on Biological Systems
- Closure as a Specific Property of Manmade Ecosystems and Biospheres
- Ecological Life Support and Sustainability – Adaptation to the Extreme
- Space Nutrition and Space Agriculture
- Animal Models in Space Research
- Physiological Deconditioning on Earth and in Space

SC-G: Materials Science in Space

- Gravitational Effects on Physico-Chemical Processes
- Drop Tower Days
- Influence of Free Space Environment on the Behavior of Materials

SC-H: Fundamental Physics in Space

- Commission H Highlight Talks
- Gravitation, Dark Energy and Dark Matter
- Space Missions for Fundamental Physics
- **Gravitational Wave Astrophysics**
- Applications (Geodesy, Metrology, Navigation, and Others)
- Enabling Technologies for Fundamental Physics Experiments and Missions

Panels and Special Events

- Latest Results
- COSPAR Capacity Building Initiative: A Review of the Last 15 Years and How to Face the Next 10
- Young Scientist in the Classroom
- Issues in Capacity Building and Education for Space Sciences
- Space Debris – Providing the Scientific Foundation for Action
- International Coordination of Space Exploration Activities
- **Human and Robotic Exploration of the Moon, Mars & NEOs (PEX)**
- Near-term Exploration of the Interstellar Medium
- Planetary Protection Policy
- Planetary Protection Mission Implementation and Status
- Planetary Protection Research and Development
- **State-of-the-Art Assay Technologies (PPP)**
- Development of Physics-based, Empirical, and Data Assimilative Models of the Radiation Environment
- Recent and Upcoming Observations of the Radiation Belts
- Scientific Ballooning: Recent Developments in Technology and Instrumentation
- Satellite Dynamics for Earth and Solar System Sciences and Applications
- Metrics and Validation Needs for Space Weather Models and Services
- Solar System Space Weather
- From Ionospheric Indices towards Standardised Activity Scales for Space Weather Services
- Interoperability of Space Weather Data Models, Data Holdings and Data Access Tools
- Space Weather Initiatives and Coordinated International Efforts to implement COSPAR-ILWS Roadmap Recommendations
- CSES Preliminary Results on Ionospheric Variability and Its Connection with Seismic Activity and Solar Forcing

Sponsorship Campaign

DIAMOND

NASA
Jet Propulsion
Lab

PLATINUM

Orbital/ATK
KASCT

GOLD

SILVER

The Planetary
Society

Boeing

ULA

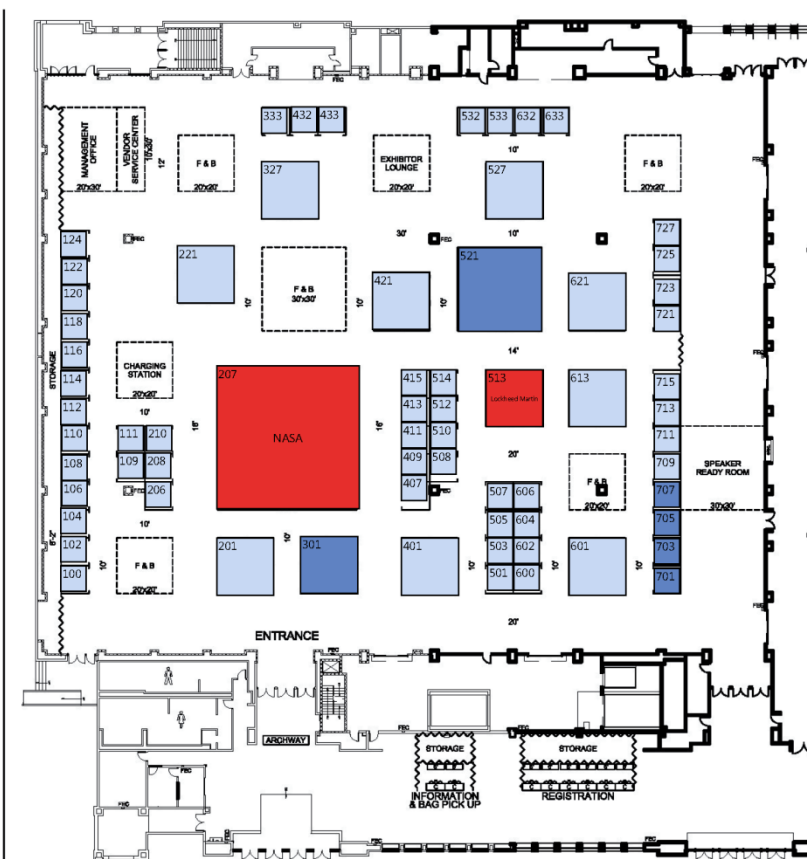
Aerospace

Universities
Space
Research
Association

- ***9 companies and other organizations have committed to be sponsor. Details are in discussion.***
- ***We are in pursuit of many additional sponsors.***

Anchor Sponsorship by **LOCKHEED MARTIN**

Exhibition



46 booths sold/comped

Exhibitors include:

Lockheed Martin (513)

NASA (207)

National Space Science Center,
Chinese Academy (521)

- *Several booths reserved for exhibitors in the sale process*

Anchor Sponsorship by **LOCKHEED MARTIN**

Business Meeting Sponsorship

COSPAR Scientific Commission Business Meeting: a great opportunity for a high-impact at low cost for home institutions of members of the SSB to consider

Each COSPAR commission will host a business meeting during the Scientific Assembly to discuss the latest developments and scientific results in their specific space research field, and importantly, plan the program for the following Assembly in 2020. The Commission Business Meetings are two hours long and are open to all delegates. Sponsors can choose which Commission they want to sponsor on a first paid first served basis.

Your local host asks the members of the SSB to please consider this.

The background of the poster is a collage of space-related images arranged in a hexagonal pattern. The images include a vibrant purple and blue nebula, a view of Earth from space showing the Americas, a close-up of the Moon's surface, a view of Saturn and its rings, and a blue-tinted image of a planetary surface. The text is overlaid on these images.

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**SPONSORSHIP
& EXHIBIT
PROSPECTUS**

Backups

Meeting Facilities

Sponsor a delegate

- The Assembly LOC would like to propose a “Sponsor a Delegate” initiative, giving prospective delegates from a developed world setting the opportunity to sponsor or part finance the registration and accommodation costs of a peer from an emerging economy. Delegates can support other delegates by donating any amount they feel appropriate during their own online registration process. To encourage co-ownership of the project, sponsored delegates will carry financial responsibility for return travel to the Assembly, while the donated money will be used to help offset costs for registration and/or accommodation.
- The LOC recognizes that most people from emerging countries don’t have the financial resources to attend meetings outside their country. With this initiative the COSPAR 2018 Assembly hopes to provide additional opportunities for those to attend COSPAR 2018, exchange information and set up a network from all over the world attempting to help the sponsored delegate’s research both now and in the future.
- Those individuals who would like to apply to receive funding support from the Sponsor A Delegate Initiative are required to submit a cover letter to the COSPAR 2018 LOC explaining the need for funding assistance.

All session rooms will be equipped with the following:

- Built-in modern projector equipment, or computer, projector and screen
- Centrally networked through the speaker ready room
- Speaker stand
- Laser pointers
- 1-2 tables at entrance for document distribution
- Bulletin board for daily announcements
- Room signage

	Room Capacity*
CONVENTION CENTRE UPPER LEVEL	
CC 211	174
CC 212	84
CC 214	84
CC 205	32
CC 207	78
CC 208	84
CC 209	36
CC 210	24
CC 215	25
CONVENTION CENTRE LOWER LEVEL	
CC 101	140
CC 102	150
CC 103	140
CC 104	160
CC 105	140
CC 106	307
CC 107	287

*Subject to change, due to room set up and configuration

	Room Capacity*
HILTON HOTEL	
International BR East	400
International BR West	400
California Ballroom	250
San Gabriel	250
Pacific A+B+C	200
Pasadena	150
Monterey	120
San Marino	90
San Diego	90
Santa Rosa	50
Santa Barbara	50
Santa Clara	50
Del Mar	30
Sacramento	16
Santa Monica	12

*Subject to change, due to room set up and configuration

Facilities

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Travelling to the USA for COSPAR 2018

- 38 nations participate in the Visa Waiver program (but recent visitors to Iran, Iraq, Libya, Somalia, Sudan, Syria or Yemen need visas, as do dual nationals of Iran, Iraq, Sudan and Syria).
- Citizens of Iran, Libya, Somalia, Sudan, Syria and Yemen are temporarily excluded from US (currently challenged in the courts)
- Others must apply for US visa (typically a B1 or B2)
- The numbers to right provide a **rough proxy** of the US visa regulations as they affect COSPAR 2018.
- The National Academies' International Visitors' Office (IVO) is a useful resource for visa information.

Locations of COSPAR Associates

US and Canada	19%
US visa waiver eligible	41%
India	11%
Russia	7%
China	6%
Brazil	2%
US excluded (currently)	<0.5%

Actual numbers from Bremen 2010*

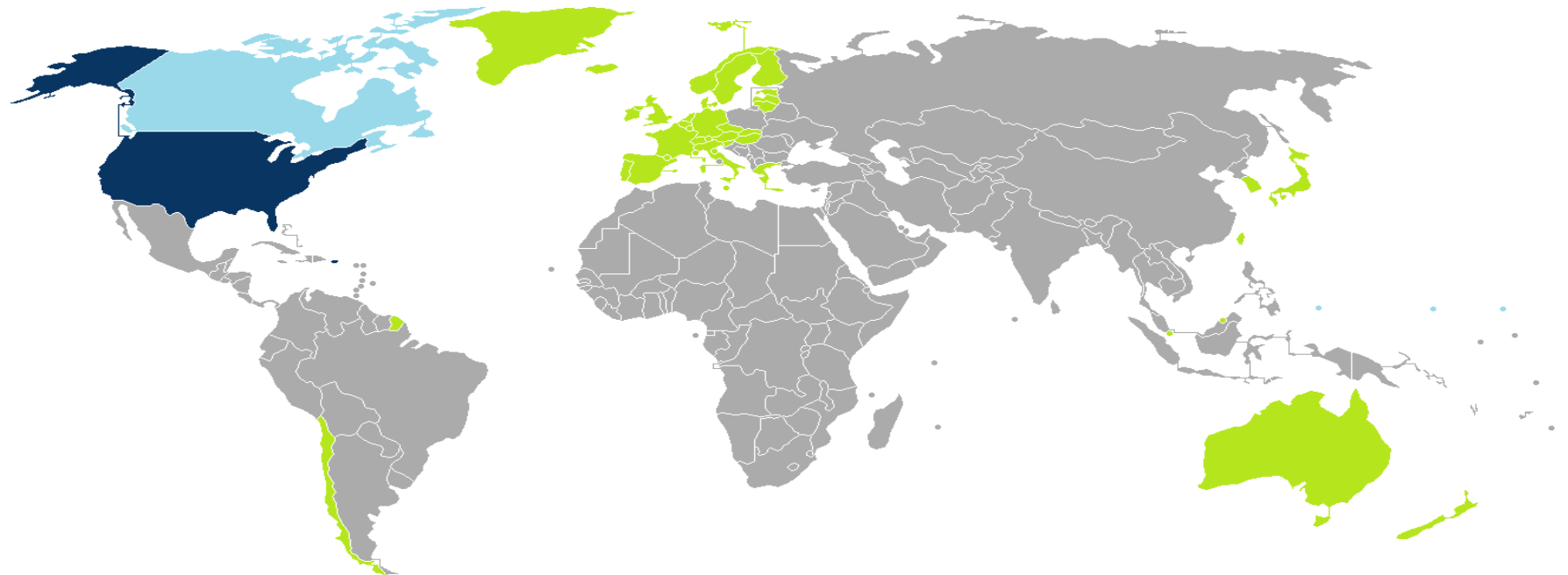
US and Canada	21%
US visa waiver eligible	>46%
India	2%
Russia	5%
China	5%

* Complete numbers not available

National Academies' International Visitor's Office

- **IVO** (<http://sites.nationalacademies.org/pga/biso/visas/>) serves as a resource on visa-related issues for scientists and students traveling to the United States for professional activities
- IVO collects information on visa-related issues and report urgent cases to the State Department provided the following apply:
 - **B1 or B1/B2 visa** applicants whose application has been **undergoing administrative processing for 30 days or longer** and it is **14 days prior to the U.S. event's start date**
 - For **non-B1** visa applicants whose application has been **undergoing administrative processing for 60 days or longer**
- IVO strongly recommends that applicants contact the relevant consulate or embassy to begin the **visa process at least 4 months prior to the event start date** (i.e., in March, 2018 or earlier)
- **Seek professional advice if trip involves any sort of remuneration**

VISA Waiver Program



- Valid for attending “a scientific, educational, professional, or business convention or conference”
- Also valid for “short-term training.” BUT “you may not be paid by any source in the United States with the exception of expenses incidental to your stay”
- NOT valid for “study (for credit), employment, working as foreign press.....or other media”
- <https://travel.state.gov/content/visas/en/visit/visa-waiver-program.html>

VISA Waiver Program

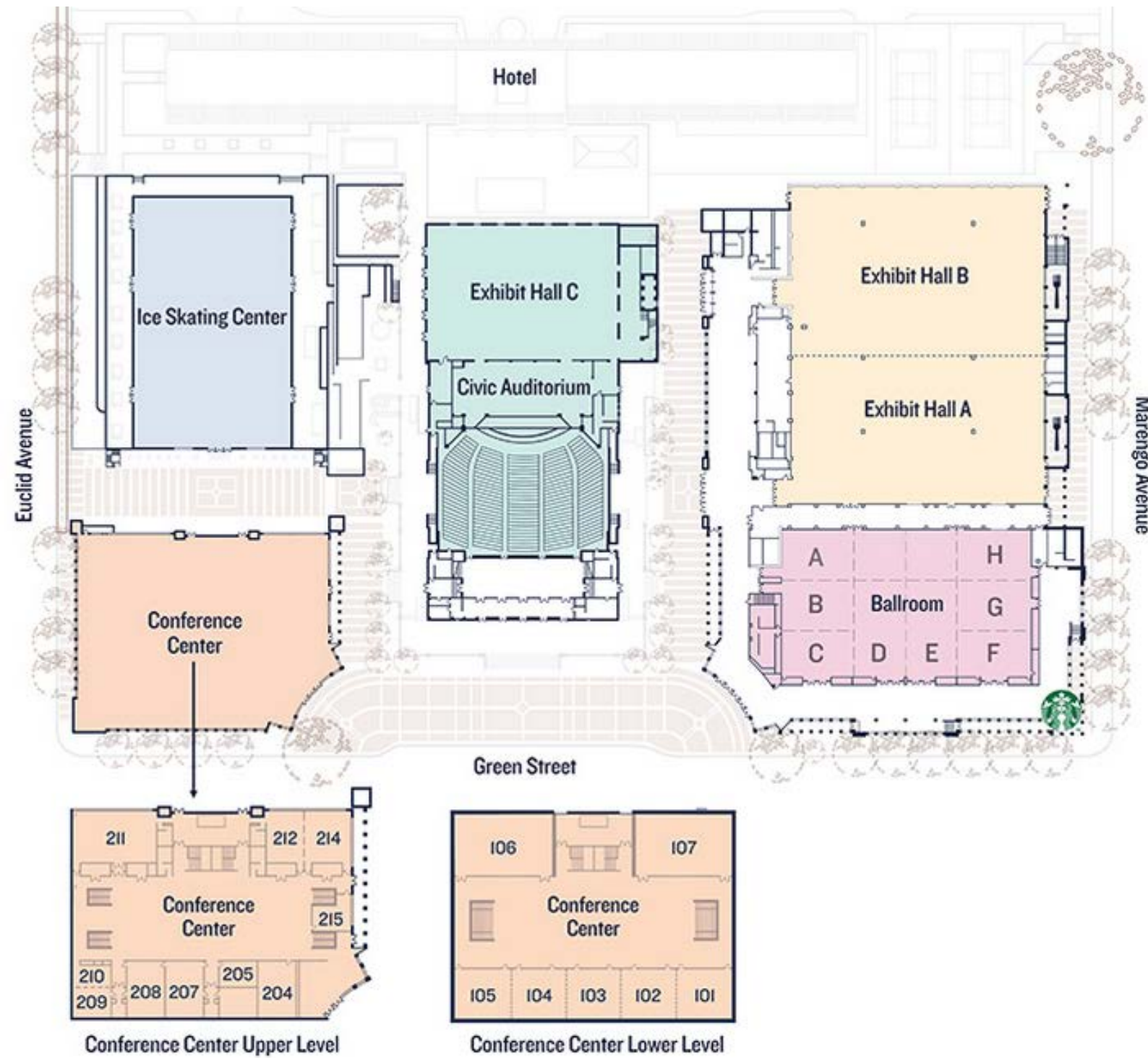
- Andora
- Australia
- Austria
- Belgium
- Brunei
- Chile
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Iceland
- Ireland
- Italy
- Japan
- Latvia
- Liechtenstein
- Lithuania
- Luxembourg
- Malta
- Monaco
- Netherlands
- New Zealand
- Norway
- Portugal
- San Marino
- Singapore
- Slovakia
- Slovenia
- South Korea
- Spain
- Switzerland
- Taiwan
- United Kingdom.

Citizens of Canada do not require a visa. Permanent residents of Canada (including those who are citizens of nations impacted by Trump executive order) **DO** require visas if their citizenship does not permit participation in Visa Waiver Program. Canadian dual citizens are exempt from Trump executive order.

	EARLY REGISTRATION	REGULAR REGISTRATION	LATE/ONSITE REGISTRATION
	On or before May 18, 2018	On or before June 15, 2018	After June 15, 2018
Full Assembly Delegate	USD 700	USD 850	USD 950
Student Delegate	USD 175	USD 225	USD 275
Accompanying Person	USD 175	USD 225	USD 275

Registration Fees

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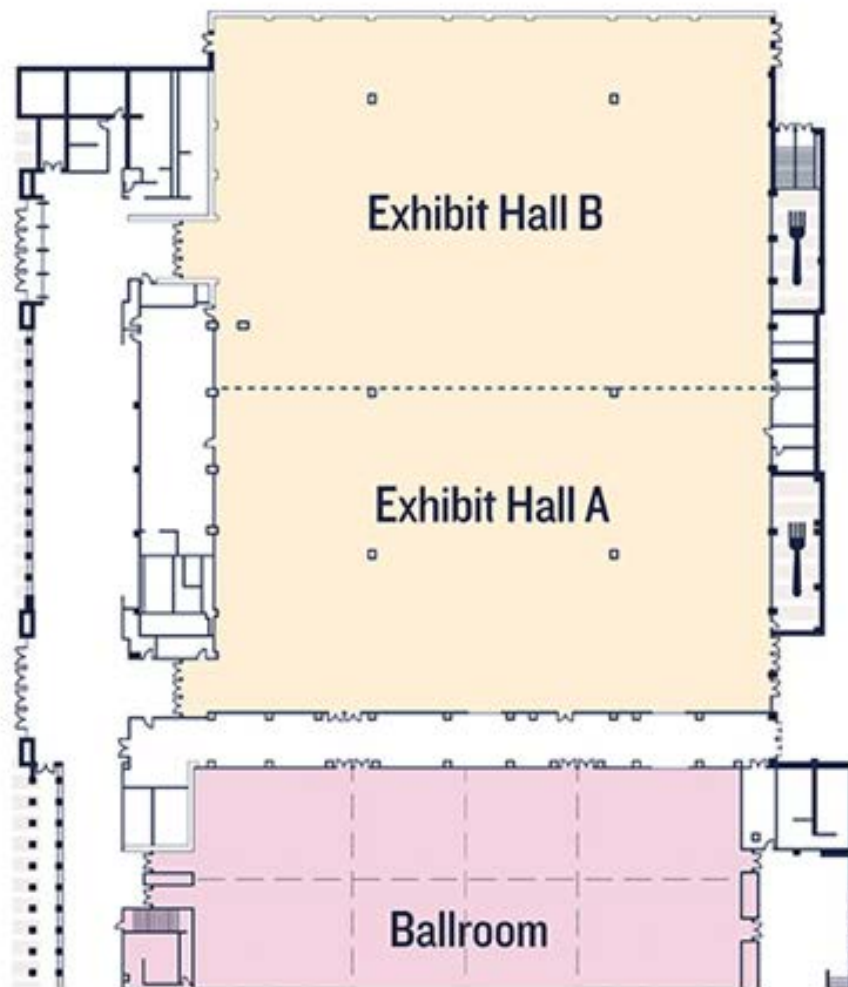


Exhibit Hall A + B:
Ceiling Height: 25'
55,000 sq ft // 5109.67 sq m

Pasadena Convention Center

Exhibit Hall A + B

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ALL BOOTHS 10'X10' UNLESS OTHERWISE NOTED.

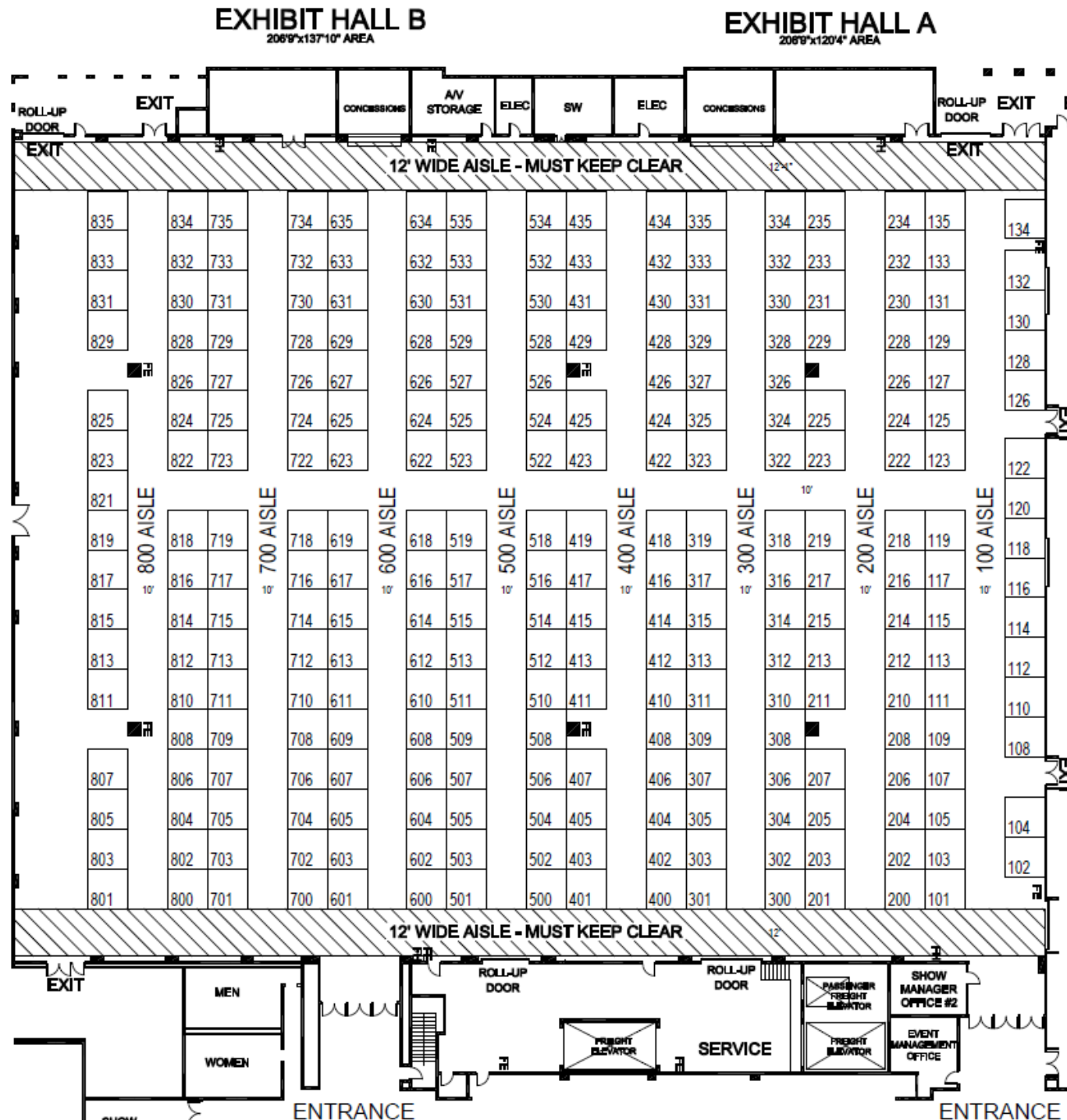


Exhibit Hall A + B:

- Example configuration of the maximum number of 10' x 10' // 3m x 3m booths: 267
- Several exhibits including the NASA exhibit will fill a 50' x 50' // 15m x 15m area.
- Speaker Ready Room: 30' x 30' // 9m x 9m
- Exhibitor Lounge: 25' x 25' // 8m x 8m
- 2 x charging stations 20' x 20' // 6m x 6m
- 4 x F&B Stations: 30 x 10 // 9m x 3m

Pasadena Convention Center Exhibit Hall A + B



Pasadena Convention Center Exhibit Hall A + B

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Social Events & Tours

EVENT	DATE	VENUE	~ # OF PEOPLE
IAA Banquet Dinner	Saturday, July 14	TBD	~100
Opening Reception	Sunday, July 15	Pasadena City Hall Plaza	~1500
COSPAR Evening for All	Friday, July 20	Rose Bowl Stadium	~1100
COSPAR Council Dinner	Saturday, July 21	TBD	~150

Social Events

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Sightseeing: Pasadena

July 14 – 22, 2018 Pasadena, California, USA
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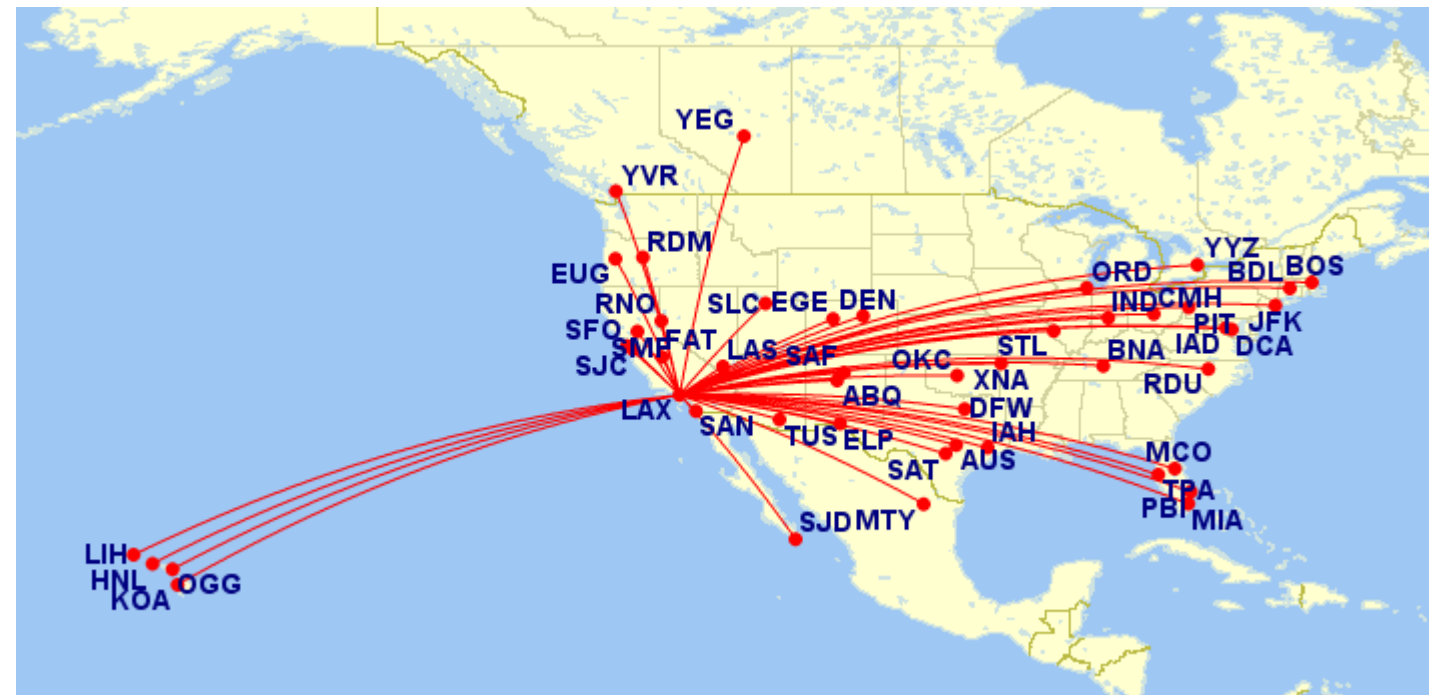
Sightseeing: Surrounding Area

July 14 – 22, 2018 Pasadena, California, USA
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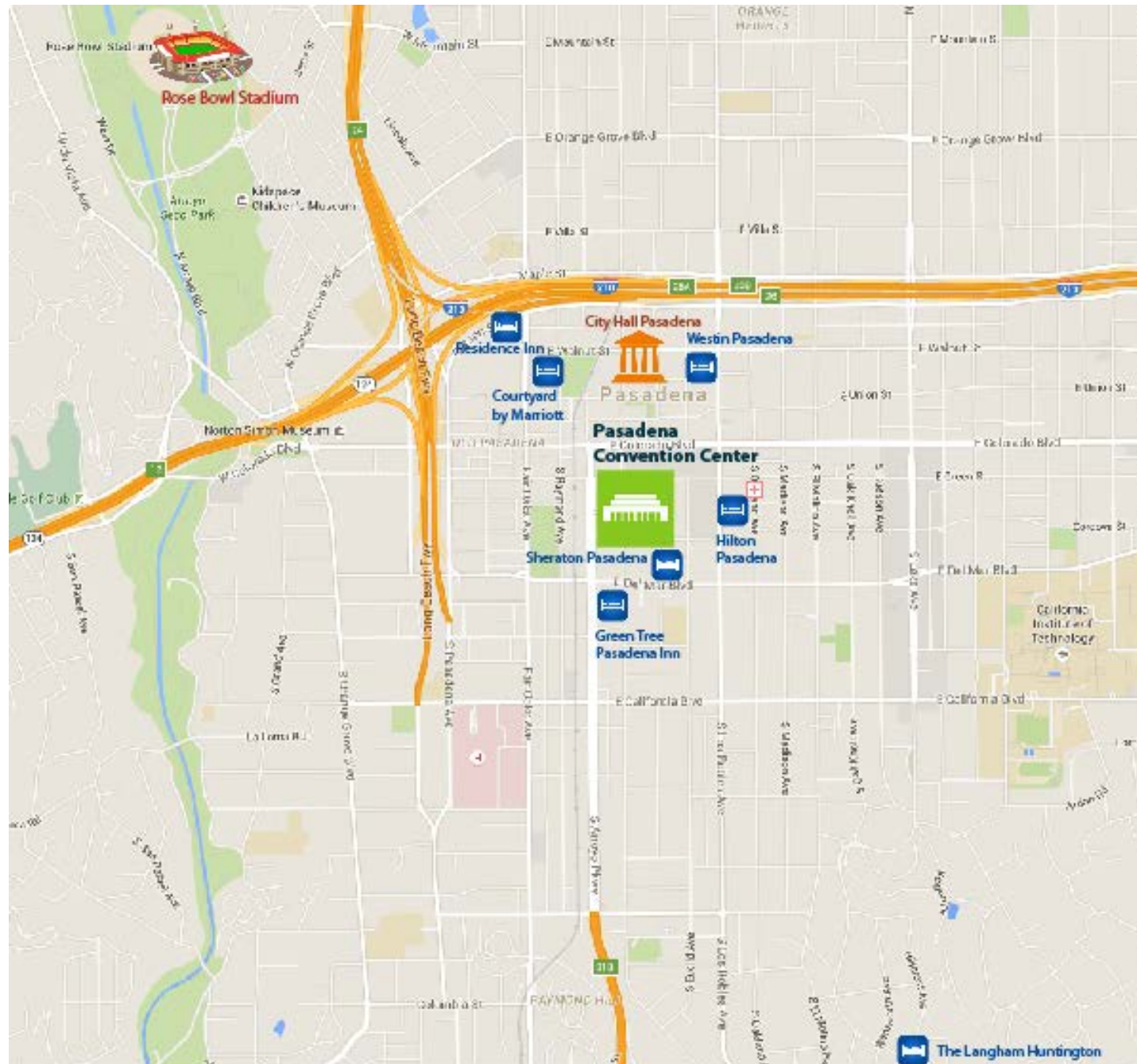
Travel and Accommodations

Travelling to Pasadena

- Los Angeles International Airport (LAX) is the largest and busiest airport in the state of California and one of the largest in the United States
- It is a major gateway to Latin America, Europe, Asia and Oceania and it considered the “Gateway to the Pacific Rim”
- Various airport connections to Pasadena, including:
 - Shared van Shuttle (Prime time shuttle and Super Shuttle)
 - FlyAway bus
 - Metro Gold Line
 - Taxi
 - Uber
 - Lyft



Accommodation



Hotel	Distance from Pasadena Convention Centre	Total Room Nights	Net Rate Sgl/DbI
Hilton Pasadena	6 mins walk	1497	USD 149 & USD 159
Sheraton Pasadena	6 mins walk	1440	USD 225
The Westin Pasadena	10 mins walk	1565	USD 241
Courtyard by Marriott	13 mins walk	1444	USD 291
Residence Inn	15 mins walk	In Negotiation	In Negotiation
The Langham	44 mins walk/ 9 min drive	1840	USD 281

Contracted Properties

July 14 – 22, 2018 Pasadena, California, USA
www.cospar2018.org

Low Cost Accommodation Options

The Pasadena Inn	USD 199	0.5 miles // 0.8 km
Vagabond Inn Executive Pasadena	USD 172	1.2 miles // 1.9 km
Howard Johnson Pasadena	USD 136	1.7 miles // 2.7 km
Saga Motor Hotel	USD 137	1.7 miles // 2.7 km
Pasadena Motor Inn	USD 99	2.3 miles // 3.7 km
Lincoln Motel	USD 83	2.6 miles // 4.2 km
Casa Lu-Ann	USD 113	2.7 miles // 4.3 km
La Casa Inn Pasadena	USD 125	3.1 miles // 5 km
Eagle Rock Motel	USD 112	3.2 miles // 5.1 km
Super 8 Pasadena/ LA Area	USD 108	3.2 miles // 5.1 km
Ace Motel	USD 65	3.2 miles // 5.1 km
Rose Bowl Motel	USD 91	3.3 miles // 5.3 km
El Rancho Motel	USD 99	4.5 miles // 7.2 km
Airbnb	USD 85 - 200	300 + properties in the Pasadena Area