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COSPAR AWARDS/MEDALS

From 2018 the IAU has named an asteroid for each COSPAR award recipient. The number of the asteroid appears below in parentheses.

COSPAR SPACE SCIENCE AWARD

The COSPAR Award honors a scientist who has made outstanding contributions to space science. All scientists working in any field covered by COSPAR are eligible for this award.

Previous recipients:

2020	William J. Borucki (7864)	2008	George Gloeckler	1998	Marcia Neugebauer
2020	Ken McCracken (8258)	2008	Ken Pounds	1996	Norman F. Ness
2018	Jean-Pierre Bibring (18113)	2006	Eberhard Gruen	1996	Minoru Oda
2018	Bruce T. Tsurutani (6313)	2006	Atsuhiko Nishida	1994	Gerhard G. Haerendel
2016	Charles L. Bennet	2004	Jacques E. Blamont	1994	Joachim E. Trümper
2016	Anatoly I. Grigoriev	2004	Vasily I. Moroz	1992	Edward C. Stone Jr.
2014	David J. McComas	2002	Stamatios M. Krimigis	1990	John A. Simpson
2014	Jean-Loup Puget	2002	Christopher T. Russell	1988	Konstantin I. Gringauz
2012	Janet Luhmann	2000	Roger M. Bonnet	1988	S.L. Mandelshtam
2010	Günther Hasinger	2000	Donald M. Hunten	1986	Ludwig F. Biermann
2010	Steven W. Squyres	1998	Catherine Cesarsky	1984	James A. Van Allen

COSPAR INTERNATIONAL COOPERATION MEDAL

This medal is awarded to a scientist who has made distinguished contributions to space science and whose work has contributed significantly to the promotion of international scientific cooperation. All scientists working in any field covered by COSPAR are eligible for this medal. This medal may also be awarded to a group of scientists.

Previous recipients:

2020	John Z. Kiss (8267) and F. Javier Medina (8333)	2008	Marvin A. Geller	1992	Hubert Curien
2018	Stas Barabash (6315)	2006	Raymond A. Greenwald	1990	Bengt Hultqvist
2016	Lev Zelenyi	2004	Stephen S. Holt	1988	Cornelis de Jager
2014	Carlé McGetchin Pieters	2002	André Brack	1986	The Inter-Agency Consultative Group
2012	Roger-Maurice Bonnet	2000	John H. Carver	1984	Roald Z. Sagdeev
2010	Lee-Lueng Fu and Yves Ménard	1998	Reimar Lüst		
		1996	Anatoli I. Grigoriev		
		1994	Ranjan R. Daniel		

COSPAR WILLIAM NORDBERG MEDAL

This medal commemorates the work of the late William Nordberg and is awarded to a scientist who has made a distinguished contribution to the application of space science in a field covered by COSPAR.

Previous recipients:

2020	Daniel J. McCleese (5641)	2008	Joe Waters	1996	Charles Elachi
2018	Christoph Reigber (6314)	2006	John P. Burrows	1994	Pierre Morel
2016	Gordon G. Shepherd	2004	Louis J. Lanzerotti	1992	John Theodore Houghton
2014	Mikhail Ya. Marov	2002	Moustafa Chahine	1990	Desmond G. King-Hele
2012	Herbert Fischer	2000	Kenichi Ijiri	1988	S. Ichtiague Rasool
2010	Kuo-Nan Liou	1998	Anne M. Thompson		

COSPAR MASSEY AWARD

This award honors the memory of Sir Harrie Massey, FRS, past Physical Secretary of the Society and past member of the COSPAR Bureau. The award consists of a gold medal and a prize of 500 guineas. This award recognizes outstanding contributions to the development of space research, interpreted in the widest sense, in which a leadership role is of particular importance. These are the only requirements, and the award is open to all candidates from any country.

Previous recipients:

2020	Alexander Held (8479)	2008	Giovanni G. Fazio	1998	Rashid A. Sunyaev
2018	John Zarnecki (17920)	2006	Charles Elachi	1996	Johannes Geiss
2016	Fiona A. Harrison	2004	Yasuo Tanaka	1994	Robert Wilson
2014	Eugene Churazov	2002	Giovanni Bignami	1992	Herbert Friedman
2012	Neil Gehrels	2002	Jacques Paul	1990	Hendrik C. van de Hulst
2010	Harvey Tananbaum	2000	Stuart C. Bowyer		

Nominations for the four awards above must be signed or endorsed by a COSPAR Bureau member, a representative of a COSPAR National or Scientific Union member, a member of the COSPAR Scientific Advisory Committee, a COSPAR Scientific Commission or Panel chair or vice-chair, or by a previous recipient of a COSPAR honor (except Zeldovich Medal or Outstanding Paper Award).

COSPAR DISTINGUISHED SERVICE MEDAL

This medal recognizes extraordinary services rendered to COSPAR over many years.

Previous recipients:

2020	Jean-Louis Fellous (8617)	2008	Isaac Révah	1992	Zdzislaw Niemirowicz
2018	Mariano Méndez (6316)	2001	Stanislaw Grzedzielski		
2016	David Halpern	1996	Richard C. Hart		
2012	Peter Willmore	1994	Antal J. Somogyi		
2010	Margaret Ann Shea	1993	Jean-François Denisse		

Nominations for the Distinguished Service Medal must be signed or endorsed by a member of the COSPAR Bureau.

Nominations for the five awards above will be considered by an Awards Committee appointed by the Bureau. After considering the recommendations of the Awards Committee, the Bureau will make a final selection.

JOINT AWARDS/MEDALS

VIKRAM SARABHAI MEDAL

This medal is awarded by the Indian Space Research Organization (ISRO) in honor of Vikram Sarabhai, considered one of the architects of modern India. The medal is awarded for outstanding contributions to space research in developing countries. For a candidate to be eligible for this award, her or his relevant work must have been carried out mainly in the five year period ending one year before the COSPAR Scientific Assembly at which the medal is to be presented. This award is open to candidates from any country.

Previous recipients:

2020	Alexi Glover	2008	Mangalathayil A. Abdu	1996	U.R. Rao
2018	Qiugang Zong	2006	Marcos E. Machado	1994	Jacques E. Blamont
2016	Kohei Arai	2004	A. Peter Willmore	1992	C.-Y. Tu
2014	Gurbax Singh Lakhina	2002	Ronglan Xu	1990	Vladimir A. Kotelnikov
2012	Rafael Navarro-Gonzalez	2000	Zhen-Xing Liu		
2010	Zuyin Pu	1998	D. James Baker		

JEOUJANG JAW AWARD

The Jeoujang Jaw Award, bestowed jointly by the Chinese Academy of Sciences and COSPAR, recognizes scientists who have made distinguished pioneering contributions to promoting space research, establishing new space science research branches and founding new exploration programs.

2020	Wing-Huen Ip	2014	Sir Martin Sweeting FRS	2008	James L. Burch
2018	Sergey K. Krikalev	2012	Robert P. Lin		
2016	Cheng Fang	2010	Calvin T. Swift		

ZELDOVICH MEDAL

The Zeldovich Medals are conferred by the Russian Academy of Sciences to young scientists, under 36 on the last day of the year in which the Medals are to be presented, to recognize excellence and achievement. They honor the memory of the distinguished astrophysicist Academician Yakov B. Zeldovich and consist of a medal and a certificate.

Previous recipients:

Commission A			<u>2020</u>
Commission B			Takatoshi Sakazaki
Commission C			Michele T. Bannister
Commission D			Takanori Nishiyama
Commission E			Daniel B. Graham
Commission F			Ildar Khabibullin
Commission G			Giorgio Baiocco
Commission H			Katharina Brinkert
			Vitali Müller
	<u>2018</u>	<u>2016</u>	<u>2014</u>
Commission A	Benjamin Hamlington	Aaron van Donkelaar	Jérôme Bouffard
Commission B	Shunichi Kamata	Alexander G. Hayes	Diego Turrini
Commission C	Loren C. Chang	Erdal Yiğit	C. Vineeth
Commission D	Remya Bhanu	Drew L. Turner	Anton Artemyev
Commission E	Volodymyr Savchenko	Lan Jian	Nanda Rea
Commission F	Amir Alexander Bahadori	Satoshi Kodaira	Luca Mariotti
Commission G	Taishi Yano	Thomas Triller	J.M. Ezquerro Navarro
Commission H	Frederico Francisco	Ewan D. Fitzsimons	Benny Rievers
	<u>2012</u>	<u>2010</u>	<u>2008</u>
Commission A	Jadunandan Dash	Paul I. Palmer	Kauzar Saleh Contell
Commission B	Bethany L. Ehlmann	Anna A. Fedorova	No award
Commission C	Tatsuhiko Yokoyama	Jiuhou Lei	Jonathan J. Makela
Commission D	Jonathan P. Eastwood	Yasuhito Narita	Olena Podladchikova
Commission E	Makoto Uemura	Vito Sguera	Sergey A. Bogachev
Commission F	Chiara La Tessa	Oleg A. Gusev	Thomas Berger
Commission G	Michael Lukasser	Junichiro Shiomi	Farzam Zoueshtigh
Commission H	Peter J. Wass	John William Conklin	Tim van Zoest

	<u>2006</u>	<u>2004</u>	<u>2002</u>
Commission A	Olga V. Kalashnikova	Christa D. Peters-Lidard	Steven R. Jayne
Commission B	Tristan Guillot	Hideyo Kawakita	Francois Forget
Commission C	Marina Galand & Viviane Pierrard	No award	Vladimir Truhlik
Commission D	Vladislav Izmodenov	Elizabeth A. Lucek	Anatoli A. Petrukovich
Commission E	Mikhail Revnivitsev	Alexey A. Vikhlinin	Toshifumi Shimizu
Commission F	Natalie Baecker	Irina V. Shumilina	Patrice Coll
Commission G	Ichiro Ueno	Thomas Boeck	Pierre Colinet
Commission H	Diana Shaul	William J. Weber	Robert W. Brumley
	<u>2000</u>	<u>1998</u>	<u>1996</u>
Commission A	Sarah T. Gille	Jochen Harnisch	Franz H. Berger
Commission B	Roland Meier	Jane Luu	Emmanuel Lelouch
Commission C	Stephen D. Eckermann	Patrick G.J. Irwin	Shun-Rong Zhang
Commission D	Vassilis Angelopoulos	Masafumi Hirahara	Michele K. Dougherty
Commission E	Takeshi Tsuru	Sergei A. Grebnev	Tadayasu Dotani
Subcm. D2/E2		Taro Sakao	Gary P. Zank
Commission F	Max P. Bernstein	Etienne de Vanssay	Dimitry O. Meshkov
Commission G	Jens P. Leypoldt	Yuko Inatomi	No award
Commission H	Alberto Vecchio	Yusuf R. Jafray	
	<u>1994</u>	<u>1992</u>	<u>1990</u>
Commission A	Iván Csiszár	Robert R. Leben	Bernard Pinty
Commission B	Philippe Zarka	N.G.M. Thomas	Jonathan I. Lunine
Commission C	Oleg I. Korablev	Dmitry V. Titov	Michael Lockwood
Commission D	Sandra C. Chapman	Yoshiharu Omura	Karl-Heinz Glassmeier
Commission E	Eugene Churazov	Marat R. Gilfanov	Michiel van der Klis
Commission F	David T. Smernoff	Ruth Hemmersbach-Krause	Alexey M. Alpatov
Commission G	No award	Stefan van Vaerenbergh	Johannes Baumgartl

Nominations for joint awards must be signed or endorsed by a COSPAR Bureau member, a representative of a COSPAR National or Scientific Union member, a member of the COSPAR Scientific Advisory Committee, a COSPAR Scientific Commission or Panel chair or vice-chair, a member of the sponsoring Academy or Agency, or by a previous recipient of a COSPAR honor (except Zeldovich Medal or Outstanding Paper Award).

Nominations for the three joint awards above will be reviewed by the COSPAR Awards Committee (and Scientific Commission officers in the case of the Zeldovich Medal). The Bureau will submit a short list of candidates, in order of preference, to the relevant Academy or Agency stating the total number of candidates and explaining the reasons for ordering the list as presented.

All nominations shall consist of:

- **a filled in nomination form signed by a person authorized to nominate,**
- **a curriculum vitae with a general description of the space research activity of the nominee, and**
- **a list of significant, selected publications, not more than about 20. The publications most relevant to the award should be clearly identified.**

All nominations must reach the COSPAR Secretariat no later than end November of the calendar year preceding the Scientific Assembly, i.e., 30 November 2021 for the Assembly in 2022.