IAUホノルル総会報告

日本天文学会2015年秋季年会：甲南大学
岡村定矩、山岡　均


会場のハワイコンベンションセンター（入り口は反対側）

ヒルトンホテルの芝生で行われたバンケット

・期間：2015/8/3-8/14
・場所：ホノルル（ハワイコンベンションセンター）
・参加者：64の国と地域から3072名（内日本人161名）
（米 1159人、中国207人、英144人、仏132人、韓国92人）

参考　北京総会　3027名（内日本人127名）
リオ総会　2274名（内日本人 65名）

・6 Symposia, 9 Division Meetings, 22 Focus Meetings
・新たな加盟国：　コロンビア
・新たな個人会員　1199名（北京1008名、リオ898名）
・新たな執行部

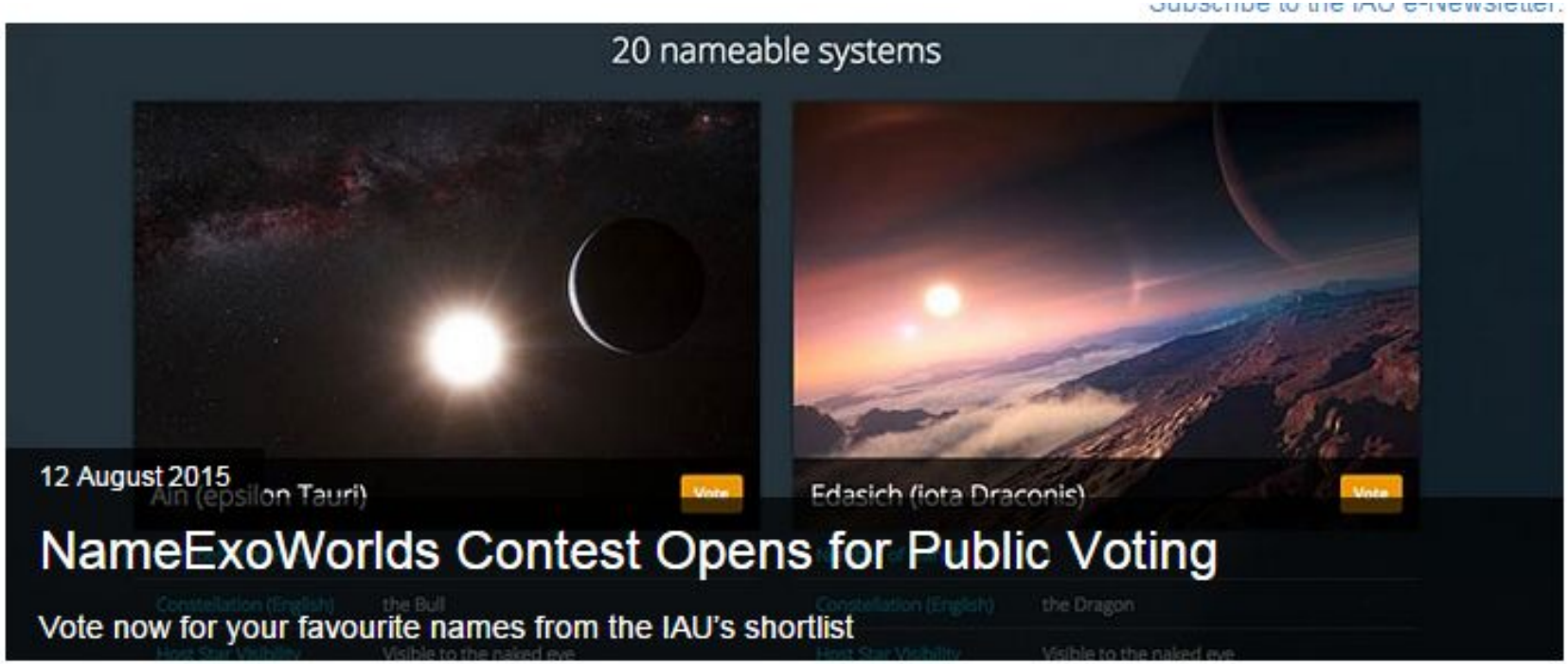
会長　Silvia Torres-Peimbert　（メキシコ）
会長予定者　Ewine F. van Dishoeck　（オランダ）
事務局長　Piero Benvenuti　（イタリア）
副事務局長　Maria Teresa Lago　（ポルトガル）
副会長　Renee Krann-Korteweg　（南アフリカ）
Xiaowei Liu（中国：China-Nanjing）
Dina Prialnik　（イスラエル）
Debra Elmegreen*（USA）
Ajit Kembhavi *　（インド）
Borid Shustov*　（ロシア）
アドバイザー　Norio Kaifu（日本）
Thierry Montmerle（フランス）

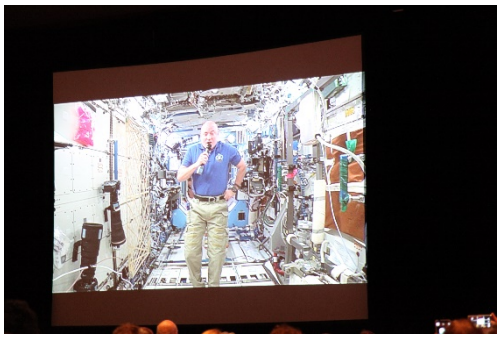
・Commissions の restructuringが完成した。
・OAD（南ア）、OAO（日本、NAOJ）に続いてOffice for Young Astronomers（OYA）をオスロに開設。

・NameExoworlds の 投票開始宣言

http://nameexoworlds.iau.org/exoworldsvote

IAUホームページの　Press Releases 12 Aug 2015 にある





・4つのresolutions（会員の個人投票）

B1: The 10-year IAU Strategic Plan for astronomy in the developing world extends from 2010 to 2020

B2: Recommended zero points for the absolute and apparent bolometric magnitude scales

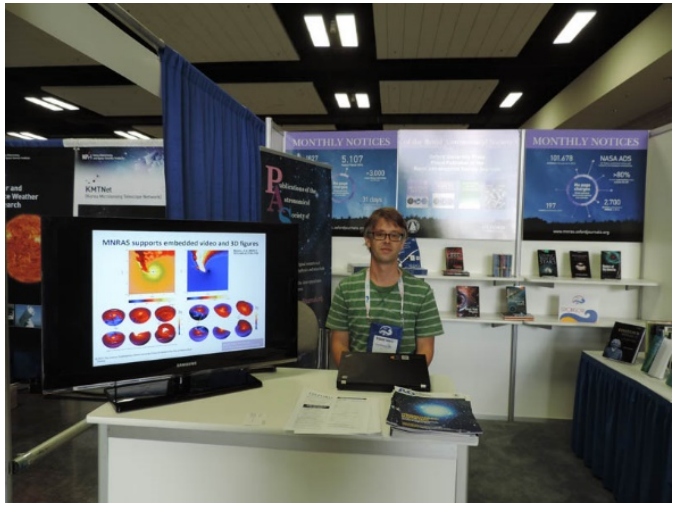
B3: Recommended nominal conversion constants for selected solar and planetary properties

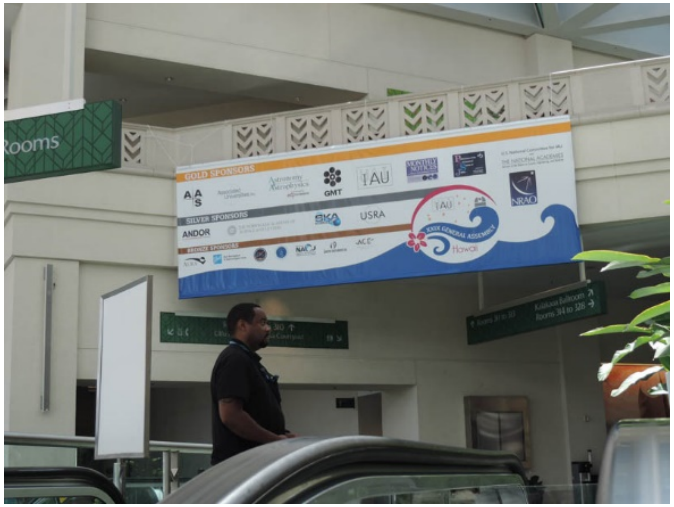
B4: Protection of Radio Astronomy Observations in the Frequency Range 76 - 81 GHz from Interference Caused by Automobile Radars

すべて賛成多数で承認された

Resolution committee 2015-2018 (5名)
Member: T. Fukushima

・PASJ：ゴールドパートナー・ブース出展





・OADとOAO

・共同でブースを出展




・OAD：
TF2：富田
TF3：臼田-佐藤
多くの会合・議論

・OAO：
NOC Lunch meeting

Division Presidents, Vice Presidents, SC (Japanese member)

Division A: Space and Time Reference Systems

P: Anne Lemaître (Belgium)

VP: Daniel Hestroffer (France)

Division B: Facilities, Technologies and Data Science

P: Pietro Ubertini (Italy)

VP: Michael Burton (Australia)

Division C: Education, Outreach and Heritage

P: John Hearnshaw (New Zealand)

VP: Suzana Deustua (USA)

SC(JP): Saeko Hayashi

Division D: High Energies and Fundamental Physics

P: Chryssa Kouveliotou (USA)

VP: Elena Pian (Italy)

SC(JP): Tadayasu Dotani

Division Presidents, Vice Presidents, SC (Japanese member)

Division E: Sun and Heliosphere
P: Yihua Yan (China Nanjing)
VP: Sarah Gibson (USA)
SC(JP): Toshifumi Shimizu

Division F: Planetary Systems and Bioastronomy
P: Nader Haghighipour (USA)
VP: Gonzalo Tancredi (Uruguay)

Division G: Stars and Stellar Physics
P: Corinne Charbonnel (Switzerland)
VP: David Soderblom (USA)

Division H: Interstellar Matter and Local Universe
P: Bruce Elmegreen (USA)
VP: Leonardo Testi (Italy)

Division J: Galaxies and Cosmology
P: Claus Leitherer (USA)
VP: Matthew Malkan (USA)

9 Divisions
(3 Japanese SC Members)

Commission Presidents & Vice Presidents (1)

A1: Astrometry
P: Anthony G.A. Brown (Netherlands)
VP: Jean Souchay (France)

A2: Rotation of the Earth
P: Richard Gross (USA)
VP: Florian Zeitz (Germany)

A3: Fundamental Standards
P: Catherine Y. Hohenkerk (UK)
VP: Brian Ruzum (USA)

A4: Celestial Mechanics & Dynamical Astronomy
P: Cristian Beauge (Argentina)
VP: Alessandra Celletti (Italy)

B1: Computational Astrophysics
P: Simon F. Portegies-Zwart (Netherlands)
VP: Dimitrij Bisikalo (Russia)

B2: Data & Documentation
P: Michael Wise (Netherlands)
VP: Sanja C. Schroder (South ASfrica)

B3: Astroinformatics & Astrostatistics
P: Eric D. Feigelson (USA)
VP: Prajval Shastri (India)

B4: Radio Astronomy
P: Gabriele Giovannini (Italy)
VP: Anthony Beasley (USA)

B5: Laboratory Astrophysics
P: Fabrid Salama (USA)
VP: Helen J. Fraser (UK)

B6: Astronomical Photometry & Polarimetry
P: Saul J. Adelman (USA)
VP: Antonio Mario Magalhaes (Brazil)

Commission Presidents & Vice Presidents (2)

B7: Protection of Existing & Potential Observatory Sites
P: Richard F. Green (USA)
VP: Constance Elaine Walker (USA)

C1: Astronomy Education & Development
P: Beatriz Elena Garcia (Argentina)
VP: Paulo Sergio Bretone (Brazil)

C2: Communcating Astronomy with Public
P: Pedro Russo (Netherlands)
VP: Rick Fienberg (USA)

C3: History of Astronomy
P: Xiaochun Sun (China-Najing)
VP: Wayne Orchiston (THailand)

C4: World Heritage and Astronomy
P: Clive L.N. Ruggles (UK)
VP: Gudrun Wolfschmidt (Germany)

D1: Gravitaional Wave Astrophysics
P: Neil Gehrels (USA)
VP: Marica Branchesi (Italy)

E1: Solar Radiation and Structure
P: Natalie A. Krivova (Germany)
VP: Alexander Kosovichev (USA)

E2: Solar Activity
P: Lyndsay Fletcher (UK)
VP: Paul S. Cally (Australia)

E3: Solar Impact throughout the Heliosphere
P: Ingrid Mann (Sweden)
VP: Carine Briand (France)

F1: Meteors, Meteorites, and Interplanetary Dust
P: Jiri Borovicka (Czech Republic)
VP: Diego Janches (USA)

Commission Presidents & Vice Presidents (3)

F2: Exoplanets and the Solar System
P: Alain Lecaveliet des Etangs (France)
VP: Jack J. Lissauer (USA)

F3: Astrobiology
P: Sun Kwok (China-Nanjing)
VP: Masatoshi Ohishi (Japan)

G1: Binary and Multiple Star Systems
P: Andrej Prsa (USA)
VP: Virginia Trimble (USA)

G2: Massive Stars
P: Artemio Herrero Davo (Spain)
VP: Orick S. Vink (UK)

G3: Stellar Evolution
P: John C. Lattanzio (Australia)
VP: Marc Howard Pinsonneault (USA)

G4: Pulsating Stars
P: Christopher Simon Jeffery (UK)
VP: Jaymie Matthews (Canada)

G5: Stellar & Planetary Atmospheres
P: Ivan Hubeny (USA)
VP: Carlos Allende Prieto (Spain)

H1: Local Universe
P: Eva K. Grebel (Germany)
VP: Dante Minniti (Chile)

H2: Astrochemistry
P: Thomas J. Millar (UK)
VP: Edwin A. Bergin (USA)

H3: Planetary Nebulae
P: Letizia Stanghellini (USA)
VP: Albert Zijlstra (UK)

Commission Presidents & Vice Presidents (4)

H4: Stellar Clusters throughout Cosmic Space and Time

P: Richard De Grijs (China Nanjing)
VP: Amanda I Karakas (Australia)

J1:Gallaxy Spectral Energy Distributions

P: Denis Burgarella (France)
VP: Christina Carmen Popescu (UK)

J2: Intergalactic Medium

P: Averry Abraham Meiksin (UK)
VP: Hsiao-Wen Chen (USA)

X1: Supermassive Black Holes, Feedback & Galaxy Evolution

P: Wiliam Richard Forman (USA)
VP: Thaisa Storchi-Bergmann (Brazil)

X2: Solar System Ephemerides

P: Andrea Milani Comparetti (Italy)
VP: William M. Folkner (USA)

A total of
35 Commissions
(1 Japanese VP)

6 Symposia

IAUS 314 – Young Stars & Planets Near the Sun (outside the General Assembly)
IAUS 315 – From Interstellar Clouds to Star-forming Galaxies: Universal Processes?
IAUS 316 – Formation, Evolution, and Survival of Massive Star Clusters
IAUS 317 – The General Assembly of Galactic Halos: Structure, Origin and Evolution
IAUS 318 – Asteroids: New Observations, New Models
IAUS 319 – Galaxies at High Redshift and Their Evolution Over Cosmic Time
IAUS 320 – Solar and Stellar Flares and Their Effects on Planets

口頭発表とポスター発表の統計

	# SOC	# SOC(JP	Oral	Oral (JP)	Oral (%)	Poster	Poster (JP)	Poster (%)
S315	16	2	63	3	4.8	249	21	8.4
S316	15	1	57	2	3.5	108	4	3.7
S317	15	1	60	2	3.3	95	10	10.5
S318	16	1	70	3	4.3	42	2	4.8
S319	16	1	71	1	1.4	181	12	6.6
S320	15	1	82	6	7.3	47	0	0.0
			403	17	4.2	722	49	6.8

日本人の発表の割合： 口頭発表4.2%、ポスター発表6.8%

6 Symposia

IAUS 314 – Young Stars & Planets Near the Sun (outside the General Assembly)
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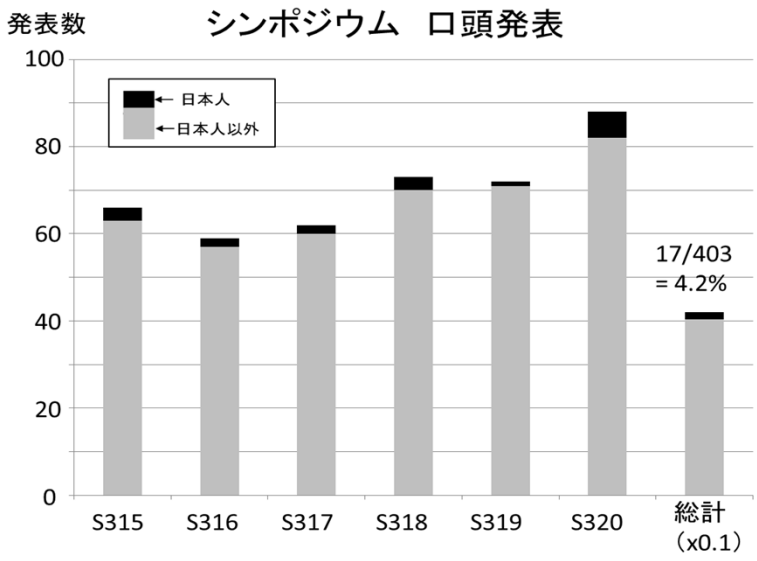
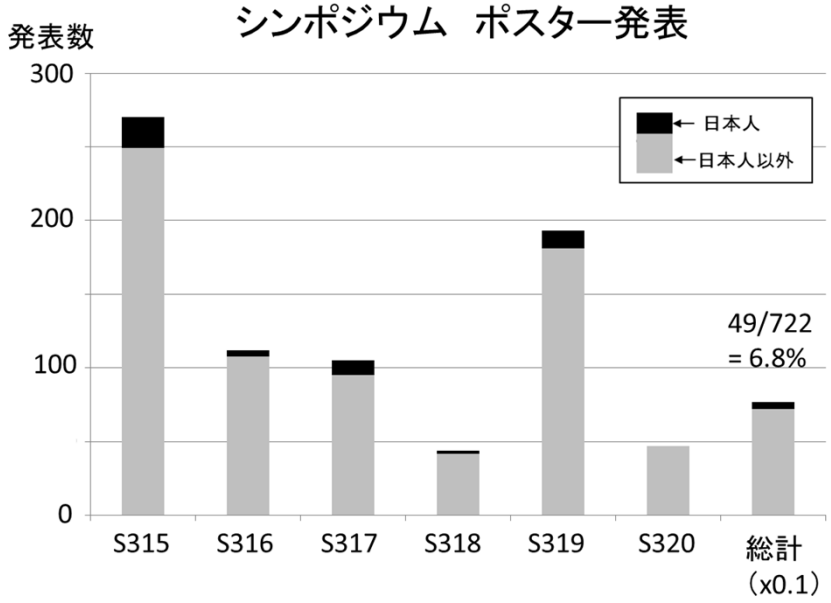




9 Division Meetings

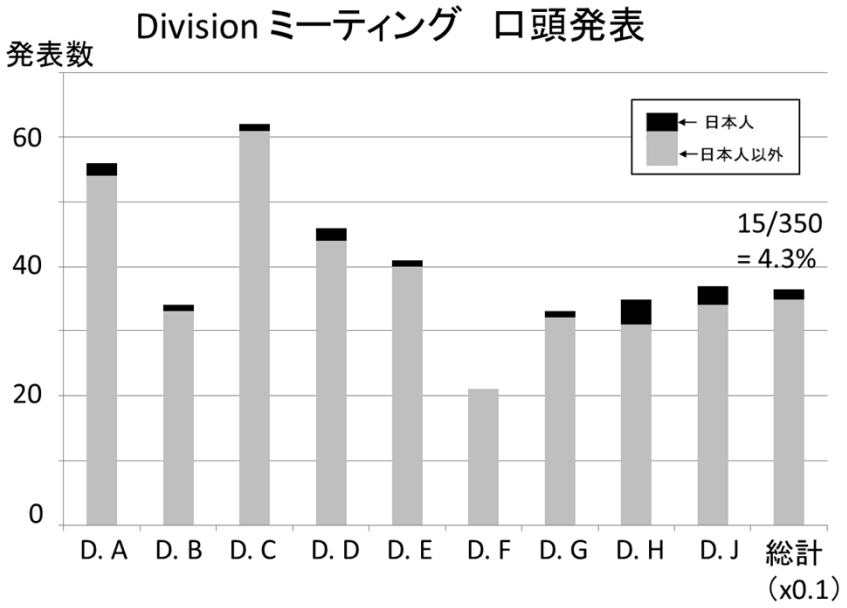
Div. A: Space and Time Reference Systems
Div. B: Facilities, Technologies and Data Science
Div. C: Education, Outreach and Heritage
Div. D: High Energies and Fundamental Physics
Div. E: Sun and Heliosphere
Div. F: Planetary Systems and Bioastronomy
Div. G: Stars and Stellar Physics
Div. H: Interstellar Matter and Local Universe
Div. J: Galaxies and Cosmology

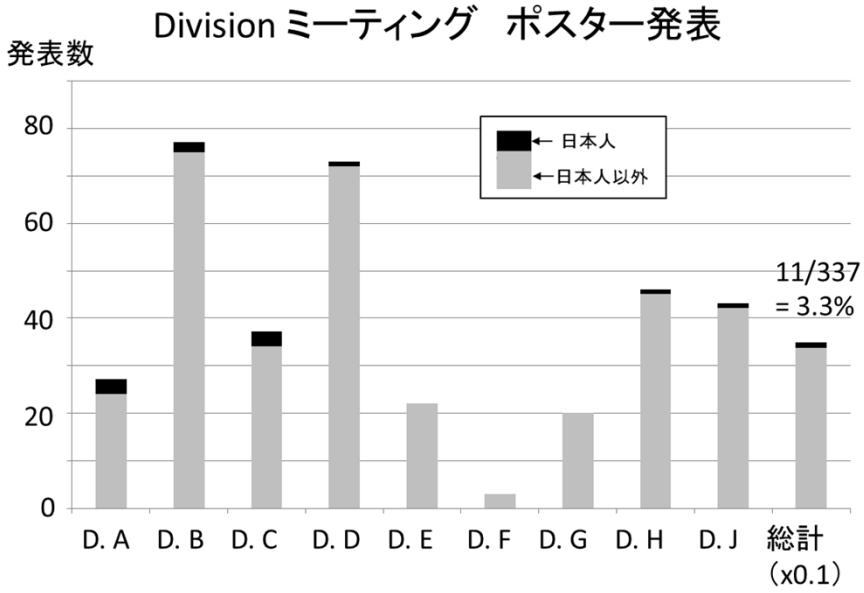
	# SC	# SC(JP)	Oral	Oral (JP)	Oral (%)	Poster	Poster (JP)	Poster (%)
Div. A	6	0	54	2	3.7	24	3	12.5
Div. B	6	0	33	1	3.0	75	2	2.7
Div. C	6	1	61	1	1.6	34	3	8.8
Div. D	6	1	44	2	4.5	72	1	1.4
Div. E	6	1	40	1	2.5	22	0	0.0
Div. F	6	0	21	0	0.0	3	0	0.0
Div. G	6	0	32	1	3.1	20	0	0.0
Div. H	6	0	31	4	12.9	45	1	2.2
Div. J	6	0	34	3	8.8	42	1	2.4
			350	15	4.3	337	11	3.3

日本人の発表の割合： 口頭発表4.3%、ポスター発表3.3%

9 Division Meetings

D. A: Space and Time Reference Systems
D. B: Facilities, Technologies and Data Science
D. C: Education, Outreach and Heritage
D. D: High Energies and Fundamental Physics
D. E: Sun and Heliosphere
D. F: Planetary Systems and Bioastronomy
D. G: Stars and Stellar Physics
D. H: Interstellar Matter and Local Universe
D. J: Galaxies and Cosmology





22 Focus Meetings

FM 1 – Dynamical Problems in Extrasolar Planets Science
FM 2 – Astronomical Heritage: Progressing the UNESCO–IAU Initiative
FM 3 – Scholarly Publication in Astronomy: Evolution or Revolution?
FM 4 – Planetary Nebulae as Probes of Galactic Structure and Evolution
FM 5 – The Legacy of Planck
FM 6 – X-ray Surveys of the Hot and Energetic Cosmos
FM 7 – Stellar Physics in Galaxies Throughout the Universe
FM 8 – Statistics and Exoplanets
FM 9 – Highlights in the Exploration of Small Worlds
FM 10 – Stellar Explosions in an Ever-changing Environment
FM 11 – Global Coordination of Ground and Space Astrophysics and Heliophysics
FM 12 – Bridging Laboratory Astrophysics and Astronomy
FM 13 – Brightness Variations of the Sun and Sun-like Stars
FM 14 – The Gravitational Wave Symphony of Structure Formation
FM 15 – Search for Water and Life's Building Blocks in the Universe
FM 16 – Stellar Behemoths - Red Supergiants Across the Local Universe
FM 17 – Advances in Stellar Physics from Asteroseismology
FM 18 – Scale-free Processes in the Universe
FM 19 – Communicating Astronomy with the Public in the Big Data Era
FM 20 – Astronomy for Development
FM 21 – Mitigating Threats of Light Pollution & Radio Frequency Interference
FM 22 – The Frontier Fields: Transforming our Understanding of Cluster and Galaxy Evolution

22 Focus Meetings

	# SOC	# SOC(JP	Oral	Oral (JP)	Oral (%)	Poster	Poster (JP)	Poster (%)
FM1			14	1	7.1	30	3	10.0
FM2			27	0	0.0	6	2	33.3
FM3			22	0	0.0	4	0	0.0
FM4			33	0	0.0	25	0	0.0
FM5			28	0	0.0	26	0	0.0
FM6			35	3	8.6	36	7	19.4
FM7			20	0	0.0	56	0	0.0
FM8			27	1	3.7	90	4	4.4
FM9			27	1	3.7	22	0	0.0
FM10			32	3	9.4	26	6	23.1
FM11			35	4	11.4	8	0	0.0
FM12			37	2	5.4	59	2	3.4
FM13			36	0	0.0	46	0	0.0
FM14			11	0	0.0	14	0	0.0
FM15			34	3	8.8	49	3	6.1
FM16			34	3	8.8	13	0	0.0
FM17			18	1	5.6	36	2	5.6
FM18			14	0	0.0	20	5	25.0
FM19			4	0	0.0	33	4	12.1
FM20			27	0	0.0	34	2	5.9
FM21			26	0	0.0	5	0	0.0
FM22			43	2	4.7	22	1	4.5
			584	24	4.1	660	41	6.2

日本人の発表の割合： 口頭発表4.1%、ポスター発表6.2%

22 Focus Meetings

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FM 2 – Astronomical Heritage: Progressing the UNESCO–IAU Initiative
FM 3 – Scholarly Publication in Astronomy: Evolution or Revolution?
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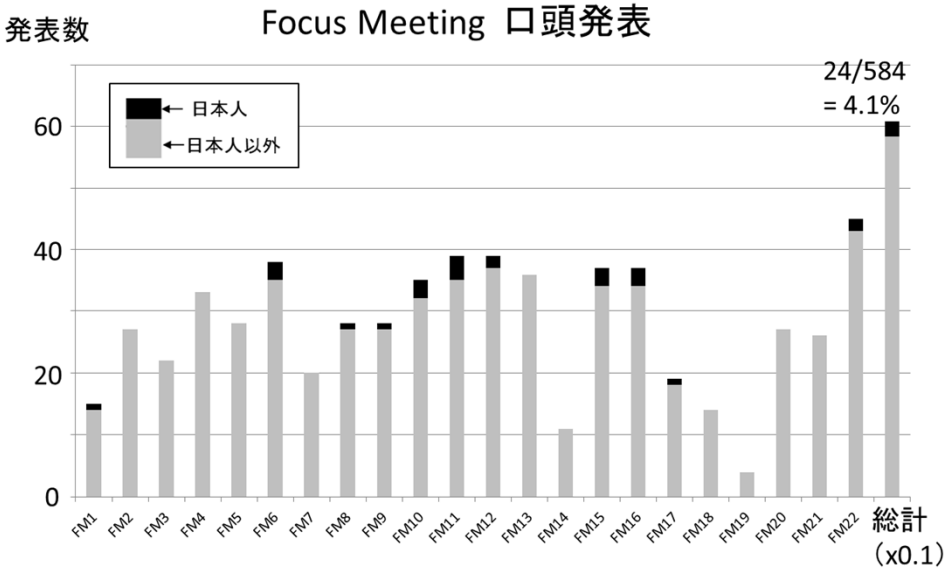

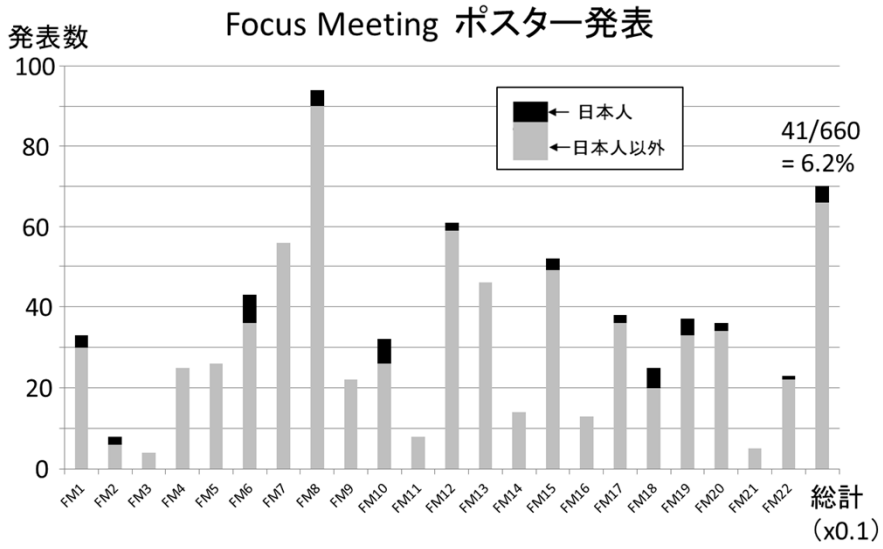

研究発表のサマリー

	Oral	Oral (JP)	Oral (%)	Poster	Poster (JP)	Poster (%)
Symp.	403	17	4.2	722	49	6.8
Div. M.	350	15	4.3	337	11	3.3
Focus M.	584	24	4.1	660	41	6.2
Total	1337	56	4.2	1719	101	5.9

日本人の発表の割合　Symp:　口頭発表4.2%、ポスター発表6.8%

Div. M.:　口頭発表4.3%、ポスター発表3.3%

Focus M.: 口頭発表4.1%、ポスター発表6.2%

参加者　3072　日本人　161（5.2%）

（米 1159人、中国207人、英144人、仏132人、韓国92人）

閉会式後の集合写真（2015/8/14）