

2nd Shaw-IAU Workshop on Astronomy for Education

Oct 6-9 2020



THE
SHAW
PRIZE
邵逸夫獎



Karen Nyberg

<http://astro4edu.org/shaw-iau-workshops>

Tuesday 6th October 2020

UTC 14:00 – 15:30

Opening Event

Markus Pössel

IAU Office of Astronomy for Education, Germany

Ewine van Dishoeck

President of the International Astronomical Union (IAU), Leiden University, The Netherlands

Theresia Bauer, MdL

Chair of the Carl Zeiss Foundation Administration, Minister for Science, Research and Art of the State of Baden-Württemberg, Germany

Beate Spiegel

Managing Director of the Klaus Tschira Foundation, Germany

Kenneth Young

Chairman of the Shaw Prize Council and Vice Chair of the Board of Adjudicators, Shaw Prize Foundation, Hong Kong

Teresa Lago

General Secretary of the IAU, Portugal

Keynote

"Astronomy and Space Science: On top of Children's interest"

Svein Sjøberg, Professor in Science Education, Department of Teacher Education and School Research, University of Oslo, Norway



Wednesday 7th October 2020

UTC 07:00 – 19:40

Session 4: Astronomy education resources (1h 40mins)	
UTC 07:00 – 08:40	
UTC 07:00 – 07:10	Session Moderator Carolyn Liefke, IAU Office of Astronomy for Education, Germany
UTC 07:10 – 07:25	"Big Ideas in Astronomy" Pedro Russo, Leiden Observatory and Dep. Science Communication & Society, Leiden University, The Netherlands João Retrê, Institute of Astrophysics and Space Science, Portugal
UTC 07:25 – 07:40	"astroEDU: an astronomy activity repository. Developments over 2020" Michael Fitzgerald, Edith Cowan University Perth, Australia
UTC 07:40 – 07:55	"Considerations on the importance of building a national astronomical glossary: the Japanese case study" Hidehiko Agata, National Astronomical Observatory of Japan (NAOJ), Japan
UTC 07:55 – 08:10	"The making of the Universe in the Box" Cecilia Scorza, LMU Faculty of Physics Munich, Germany
UTC 08:10 – 08:40	Panel discussion
UTC 08:40 – 09:25	
Informal Meet & Greet in the Networking Area	
UTC 09:25 – 10:25	
Break	

Session 2: Astronomy Education within the IAU (1 h 50 mins)	
UTC 10:25 – 12:15	
UTC 10:25 – 10:30	Session Moderator Juan Carlos Muñoz-Mateos, IAU Office of Astronomy for Education, Germany
UTC 10:30 – 10:45	"IAU's global strategy for astronomy" Teresa Lago, General Secretary of the IAU, Portugal
UTC 10:45 – 11:00	"IAU Office for Astronomy Outreach: building bridges through international cooperation" Lina Canas, IAU Office for Astronomy Outreach, IAU/NAOJ, Japan
UTC 11:00 – 11:15	"The IAU Office of Astronomy for Development" Kevin Govender, IAU Office of Astronomy for Development, South Africa
UTC 11:15 – 11:30	"The IAU Office of Astronomy for Education (OAE)" Markus Pössel, IAU Office of Astronomy for Education, Germany
UTC 11:30 – 11:45	"IAU Commission C1: Astronomy Education and Development" Paulo Bretones, Universidade Federal de São Carlos, São Paulo, Brazil
UTC 11:45 – 12:15	Panel discussion
UTC 12:15 – 13:00	
Informal Meet & Greet in the Networking Area	
UTC 13:00 – 14:00	
Break	



Wednesday 7th October 2020

UTC 07:00 – 19:40

Session 1: Making astronomy education equitable, diverse and inclusive (1h 40 mins)	
UTC 14:00 – 15:40	
UTC 14:00 – 14:10	Session Moderator Natalie Fischer, IAU Office of Astronomy for Education, Germany
UTC 14:10 – 14:30	"Equity, Diversity and Inclusion in Astronomy Education" Amelia Ortiz Gil, University of Valencia Astronomical Observatory, Spain
UTC 14:30 – 14:50	"Impact of Racial Inequalities on African Development" Tawanda Chingozha, Post-doc fellow (Stellenbosch University) Development Economics Fellow (OAD), South Africa
UTC 14:50 – 15:00	"Astronomy: Why so exclusive?" Joanna Molenda-Żakowicz, University of Wrocław, Poland
UTC 15:00 – 15:10	"Astronomy and inclusion with Astronomy with all senses project" Ángela Patricia Pérez Henao, Planetario de Medellín, Colombia
UTC 15:10 – 15:40	Panel discussion
UTC 15:40 – 16:25	Informal Meet & Greet in the Networking Area
UTC 16:25 – 17:25	Break

Session 3: Astronomy education in low-tech environments: Challenges and solutions (1h 30 mins)	
UTC 17:25 – 18:55	
UTC 17:25 – 17:35	Session Moderator Niall Deacon, IAU Office of Astronomy for Education, Germany
UTC 17:35 – 17:55	"Overcoming the Challenges of Astronomy Education in low-tech Environment: The Nigerian Story" Olayinka Fagbemi, Astronomers Without Borders (AWB) Nigeria
UTC 17:55 – 18:05	"The educational system in our country and its condition" Nasser Alkadi, Syrian Astronomical Association (SAA), Syrian Arab Republic
UTC 18:05 – 18:15	"Astronomy Education in a Low-Tech Environment" Premana W. Premadi, Bosscha Observatory, Indonesia
UTC 18:15 – 18:25	"The Nairobi Planetarium: A model for a sustainable, low cost, natural dome" Daniel Chu Owen, The Travelling Telescope, Kenya
UTC 18:25 – 18:55	Panel discussion
UTC 18:55 – 19:40	Informal Meet & Greet in the Networking Area



Thursday 8th October 2020

UTC 07:00 – 22:25

Session 1: Making astronomy education equitable, diverse and inclusive (1h 40mins)	
UTC 07:00 – 08:40	
UTC 07:00 – 07:10	Session Moderator Natalie Fischer, IAU Office of Astronomy for Education, Germany
UTC 07:10 – 07:30	"Equity, Diversity and Inclusion in Astronomy Education" Amelia Ortiz Gil, University of Valencia Astronomical Observatory, Spain
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UTC 08:10 – 08:40	Panel discussion
UTC 08:40 – 09:25	Informal Meet & Greet in the Networking Area
UTC 09:25 – 10:25	Break

Session 3: Astronomy education in low-tech environments: Challenges and solutions (1h 30mins)	
UTC 10:25 – 11:55	
UTC 10:25 – 10:35	Session Moderator Niall Deacon, IAU Office of Astronomy for Education, Germany
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UTC 12:40 – 13:40	Break



Thursday 8th October 2020

UTC 07:00 – 22:25

Session 5: Astronomy education around the world (1h 20 mins)	
UTC 13:40 – 15:00	
UTC 13:40 – 13:50	Session Moderator Markus Nielbock, IAU Office of Astronomy for Education, Germany
UTC 13:50 – 14:00	"Bridging the gap between different learning cultures" Matipon Tangmatitham, National Astronomical Research Institute of Thailand, Thailand
UTC 14:00 – 14:10	"Creating awareness and promoting Astronomy education in Ethiopia" Jerusalem Tamirat, ESSTI, Ethiopia
UTC 14:10 – 14:20	"AstroBilgi Astronomy Teacher Training Workshops in Turkey" Aysegul Teker Yelkenci, Istanbul Kultur University, Turkey
UTC 14:20 – 14:30	"The Importance of Local Digital Dome Content in South Africa" Sally MacFarlane, UCT/Iziko, South Africa
UTC 14:30 – 15:00	Panel discussion
UTC 15:00 – 15:45	
Informal Meet & Greet in the Networking Area	
UTC 15:45 – 16:45	
Break	

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UTC 16:45 – 18:35	
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UTC 18:05 – 18:35	Panel discussion
UTC 18:35 – 19:20	
Informal Meet & Greet in the Networking Area	
UTC 19:20 – 20:20	
Break	



Thursday 8th October 2020

UTC 07:00 – 22:25

Session 5: Astronomy education around the world (50 mins)	
UTC 20:20 – 21:40	
UTC 20:20 – 20:30	Session Moderator Markus Nielbock, IAU Office of Astronomy for Education, Germany
UTC 20:30 – 20:40	"Storytelling to create a positive learning environment" Stefano Sandrelli, INAF, Italy
UTC 20:40 – 20:50	"Astronomy Education as the 'Academic Ether' in Bolivia" Gabriel Andres Jaimes Illanes, San Agustin Educational Foundation (F.E.S.A.), Bolivia
UTC 20:50 – 21:00	"Astronomy in the land of avocados" Anahí Caldú, Instituto de Astronomía, UNAM, Mexico
UTC 21:00 – 21:10	"Astronomical education research papers in Japan: the never-changing and the ever-changing, and the challenge of returning the research results to teachers" Akihiko Tomita, Wakayama University, Japan
UTC 21:10 – 21:40	Panel discussion
UTC 21:40 – 22:25	Informal Meet & Greet in the Networking Area



Friday 9th October 2020

UTC 07:00 – 10:10

Session 4: Astronomy education resources (1h 40mins)

UTC 07:00 – 08:40

UTC 07:00 – 07:10

Session Moderator

Carolin Liefke, IAU Office of Astronomy for Education, Germany

UTC 07:10 – 07:25

"Big Ideas in Astronomy"

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Hidehiko Agata, National Astronomical Observatory of Japan (NAOJ), Japan

UTC 07:55 – 08:10

"The making of the Universe in the Box"

Cecilia Scorza, LMU Faculty of Physics Munich, Germany

UTC 08:10 – 08:40

Panel discussion

Wrap-up session (1h 30mins)

UTC 08:40 – 10:10

UTC 08:40 – 10:10

Session Moderator

Markus Pössel, IAU Office of Astronomy for Education, Germany

Feedback and closing words by various participants (details to come)