

VISIBILITY CERTAINTY



CONFERENCE SCHEDULE

NYUAD CONFERENCE CENTER A6 010

TUESDAY APRIL 23, 2024

09:00AM - 09:15AM **REGISTRATION**

9:15AM - 10:00AM

OPENING REMARKS

Arlie Petters, *Provost, NYU Abu Dhabi*

H.E. Eric Gaudiosi, *US Deputy Chief of Mission in the UAE*

H.E. Lorenzo Fanara, *Ambassador of Italy in the UAE*

H.E. Ibrahim Al Qasim, *Deputy Director General, UAE Space Agency*

10:00AM - 10:30AM

INTRODUCTIONS

Simonetta Di Pippo – SETTING THE SCENE

Andrea V. Macciò – THE ROLE OF NYUAD

10:30AM - 10:50AM

KEYNOTE

Federico Di Vruno, *Spectrum Manager, SKAO*

A CHANGING SPACE ENVIRONMENT, NEW CHALLENGES IN OUR SKIES

10:50AM - 11:00AM **COFFEE BREAK**

11:00AM - 12:10PM

PANEL: DARK AND QUIET SKY AND ASTRONOMY

A SESSION TO DISCUSS THE IMPACTS OF LARGE SATELLITE CONSTELLATIONS ON ASTRONOMY AND THE DARK AND QUIET SKY, NOT ONLY ON EARTH BUT ALSO IN SPACE.

Moderator: Patrizia Caraveo, *Research Director, Istituto Nazionale di Astrofisica*

Sara Lucatello, *European Astronomical Society, Geneva, Switzerland*

Federico Di Vruno, *Spectrum Manager, SKAO*

Antonio Manousakis, *Assistant Professor, University of Sharjah*

12:10PM - 01:30PM **LUNCH BREAK** AT THE TORCH CLUB

01:30PM - 02:00PM

SIDE CONFERENCE TALKS

Goffredo Puccetti, *Associate Professor of Practice of Visual Arts, NYUAD* **BRANDING**

SCIENCE: HOW THE TOPIC OF THIS CONFERENCE INSPIRED HIM TO CREATE ITS LOGO (15')

Patrizia Caraveo, *Research Director, Istituto Nazionale di Astrofisica* **ARTIFICIAL**

LIGHTS CAN HARM THE ENTIRE ECOSYSTEM: SAVING THE STARS WILL HELP TO SAVE THE PLANET:

WINNER OF THE IAA 2023 BASIC SCIENCE BOOK AWARD – SAVING THE STARRY NIGHT

02:00PM - 02:15PM

KEYNOTE

Mashhoor AlWardat, *Professor, University of Sharjah*

SHARJAH ACADEMY OF ASTRONOMY AND SPACE SCIENCE' (SAASST) EFFORTS IN DEVELOPING ASTRONOMY AND ASTRONOMICAL SITES IN THE UAE

02:15PM - 03:15PM

MEGA-CONSTELLATIONS IN THE NEW DECADE

A SESSION TO DISCUSS FUTURE PLANS OF CONSTELLATIONS AND SHARE THE VIEWS OF THE CONSTELLATIONS IN CURRENCY DEPLOYMENT RIGHT NOW. WHAT DOES THE FUTURE AWAIT?

Moderator: Federico Di Vruno, *Spectrum Manager, SKAO*
Tim Stevenson, *Director of Assurance, SKA Observatory*
Paolo Giommi, *Investigator, CASS, NYUAD*

03:15PM - 03:30PM

KEYNOTE

Patricia Cooper, *President & Founder Constellation Advisory, LLC*
REFLECTIONS ON SATELLITE - ASTRONOMY COLLABORATION

03:30PM - 03:45PM

KEYNOTE

Connie Walker, *Head, Office of Observatory Site Protection, NOIRLab; & Co-Director, IAU CPS*
SHARING THE DARK AND QUIET SKIES

03:45PM - 05:00PM

SPECIAL SESSION: A DEEP DIVE INTO UAE ACTIVITIES IN SPACE

Noora Alsaedi, *Senior Space Science Researcher, UAE Space Agency*

CLOSING REMARKS WITH Adnan Al Rais, *Deputy Director General, Mohammed Bin Rashid Space Centre [TBC]*

WEDNESDAY APRIL 24, 2024

09:00AM - 09:45AM

SPACE JUNK AND DEBRIS

Moderator: Simonetta Di Pippo, *Visiting Professor of Practice of Physics, NYUAD*
Leonardo Barilaro, *Senior Lecturer in Aerospace Engineering at MCAST - Malta College of Arts, Science & Technology*
Donato Giorgi, *Space Counsellor – CNES Representative for Middle East*

09:45PM - 10:30AM

CAN AI HELP?

Paolo Giommi, *Investigator, Center for Astrophysics and Space Science, NYUAD & Associated to INAF-Brera Observatory, Milan*
INTERVENTIONS FROM THE AUDIENCE ON AI AND CITIZEN SCIENCE

10:30AM - 11:00AM **COFFEE BREAK**

11:00AM - 11:45AM

PANEL: SUSTAINABILITY AND NEED OF INTERNATIONAL REGULATIONS

Moderator: Sara Lucatello, *European Astronomical Society, Geneva, Switzerland*
Patrizia Caraveo, *Research Director, Istituto Nazionale di Astrofisica*
Connie Walker, *Head, Office of Observatory Site Protection, NOIRLab; & Co-Director, IAU CPS*
Simonetta Di Pippo, *Visiting Professor of Practice of Physics, NYUAD*

11:45AM - 12:15PM

OPEN FLOOR FOR DISCUSSIONS AND FINAL RECOMMENDATIONS

12:15PM - 12:40PM **CLOSING REMARKS** WITH Simonetta Di Pippo

12:40PM - 02:00PM **LUNCH** AT THE TORCH CLUB

