

Day 3 - Tuesday October 5, 2021
 Satellite Constellation
 West European Summer Time (UT+1)

8:50 Connection Opens

9:00 Welcome

9:05 Introduction Richard Green University of Arizona, USA

9:10 Session 10: Observations

Chair: Richard Green

Conclusions from the SATCON2 Observations Working Group:

Coordination, Training, and Data Sharing Meredith Rawls University of Washington / Vera C. Rubin Observatory, USA

Educating observers at all levels internationally Fatoumata Kébé Spaceable, France

Dark Skies and Bright Satellites Priya Hasan Maulana Azad National Urdu University, Hyderabad, India

Discussion

10:30 Coffee Break

11:00 Session 11: Observations, cont.

Chair: Richard Green

Optical and NIR magnitude measurements of Low Earth Orbit satellites, from a global observing network Jeremy Tregloan-Reed Universidad de Atacama, Chile

The Visual Magnitude and Phase Function of Starlink Satellites Anthony Mallama USA

Is OneWeb a threat to astronomy? Olga María Zamora Sanchez Instituto de Astrofísica de Canarias, Spain

An update on Canadian Space-based photometric measurements of LEOsatcon Robert Lauchlan Scott Defence R&D, Canada

Intruding trails in space-based astronomical observations: the CHEOPS case study Nicolas Billot University of Geneva, Switzerland

Discussion

Analytical simulations of the effect of satellite constellations on astronomical observations Cees Bassa ASTRON, Netherlands

Impact on Science at Today's Large-Aperture Telescopes Angel Otarola European Southern Observatory, Chile

Impacts to U.S. Ground-based Facilities Ashley Zauderer National Science Foundation, USA

Discussion

13:00 Lunch Break

14:30 Session 12: Algorithms & Aggregate Impact

Chair: Martin Aubé

Recommendations of the Algorithms Working Group from SATCON2 Jonathan McDowell Harvard-Smithsonian Center for Astrophysics, USA

Test data suite - for software development and verification Patrick Seitzer University of Michigan, USA

Latest developed features for Worldwide Telescope Chenzhou Cui & Yunfei Xu National Astronomical Observatory, China

Discussion

The proliferation of space objects is a rapidly increasing source of artificial night sky brightness John Barentine Dark Sky Consulting, USA

New estimates of increased artificial sky brightness from satellite constellations Olivier Hainaut European Southern Observatory, Germany

Discussion

16:30 Session 13: Industry update

Chair: Sara Lucatello

Report of Industry Subgroup from SATCON2 Chris Hofer Amazon/Kuiper, USA

Discussion

17:00 Adjourn

Day 4 - Wednesday, October 6, 2021
Satellite Constellations
Central European Summer Time (UT+1)

8:50 Connection Opens

9:00 **Session 14: National policy and regulation**

Chair: Andrew Williams

9:05 Conflicts of Interest? Satellite Constellations and the UK and European Responses

R. Massey

Royal Astronomical Society, UK

9:25 WG Update: Report from National policy sub-group

A. Williams / L. Hallet

European Southern Observatory, Germany

9:45 Defining and Regulating the Orbital Environment of Earth

C. Mudd

Mudd Law, US

10:00 Presentation on ITU

V. Glaude

International Telecommunications Union

10:15 Discussion on actions at the national level

11:00 **Coffee Break**

11:30 **Session 15: International sub-group**

Chair: Giuliana Rotola

Report from International sub-group

G. Rotola

Discussion

13:00 **Lunch Break**

14:30 **Session 16: Satellite Constellation Roundtable**

Chair: Giuliana Rotola and Andrew Williams

- Summary of actions
 - Satellite Constellation Discussion
- Discussion

15:30 Adjourn