

- **Date sent:** 13 January 2022, 13:28
- **From:** IAU Focus Meeting 3 Organizers
- **To:** Division J Galaxies and Cosmology
- **Subject:** First Announcement "Consensus Cosmic Shear in the 2020s" FM3 of IAUGA 2022

Dear colleagues,

We are pleased to announce the focus meeting "Consensus Cosmic Shear in the 2020s", which will take place at the IAU General Assembly 2022 in Busan, Republic of Korea. The meeting is scheduled to take place on the 10th and 11th of August 2022, during the final days of the GA (being held from the 2nd to the 11th of August 2022). Please find below general information about the meeting, including the scientific rationale, scientific topics to be covered, confirmed invited speakers, deadlines for registration and abstract submission, and members of the SOC.

Please feel free to distribute this announcement to any channels that, or persons whom, you feel would be interested in this meeting. Our apologies if you receive this announcement through multiple channels.

We look forward to seeing you, hopefully in person, for many fantabulous discussions over summer!

Best regards,
Angus H Wright & Nicolas Martinet, for the SOC

General information:

Focus Meeting 3 of IAUGA 2022
Title: Consensus Cosmic Shear in the 2020s
Dates: August 10th - 11th, 2022
Venue: BEXCO, Busan, Korea
Website: <https://busan2021fm3.lam.fr/>
Website of IAUGA 2022: <http://www.iauga2022.org/>
Abstract Submission Deadline: Mar. 31st 2022
Early Bird Registration: Jan. 1st - Feb 28th 2022
Regular Registration: Mar. 1st - May 31st 2022

Scientific rationale:

Recent measurements of the Hubble constant and (to a lesser extent) of the density and clustering strength of matter, hint at the possibility that

science operation and the launch of Euclid both in 2023, the IAU General Assembly 2022 is an extremely timely opportunity to address these questions. The aim of this focus meeting is therefore to bring together experts from the ongoing and future lensing surveys, thereby fostering collaboration between traditionally competitive teams, in order to build a consensus regarding cosmic shear methodologies, and identify the key systematics and cosmological models that will need to be tested in the 2020's

Topics to be covered:

- Calibration of the redshift distribution
- Current weak lensing surveys
- Weak-lensing systematics
- Non-standard lensing probes
- Tensions in cosmology
- Modelling extensions to LCDM
- Future weak-lensing analyses

Confirmed invited speakers:

- Alexandra Amon (Cambridge, UK)
- Marika Asgari (Hull, UK)
- Matteo Cataneo (Bonn, Germany)
- Tamara Davis (Queensland, Australia)
- Hendrik Hildebrandt (Bochum, Germany)
- Chris Hirata (Ohio State Univ., USA)
- Renee Hlozek (Dunlap Institute, Canada)
- Tomasz Kacprzak (ETH Zürich, Switzerland)
- Francois Lanusse (CEA, France)
- Jia Liu (Kavli IPMU, Japan)
- Hironao Miyatake (KMI, Japan)
- Sherry Suyu (MPIA Garching, Germany)
- Jun Zhang (Shanghai Jiao Tong Univ., China)

Registration and Abstract Submission Deadlines:

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At this moment, the IAUGA 2022 is planned to be in "hybrid" format. Speakers will be encouraged to present their talks "in-person". A few talks may present remotely, pending approval of SOC/LOC.

Registration can be performed from now on at the website of IAUGA 2022. Further important dates can be found in the website. In Submission

- Catherine Heymans (ROE, UK)
- Elisabeth Krause (Steward Observatory, USA)
- Clotilde Laigle (IAP, France)
- Rachel Mandelbaum (Carnegie Mellon University, USA)
- Peter Schneider (AIfA, Bonn, Germany)
- Masahiro Takada (Kavli IPMU Tokyo, Japan)