



Sociedade Astronômica Brasileira

# Comunicações da SAB

**19 de fevereiro de 2021  
- Nº 890**

Editado por Maria Jaqueline Vasconcelos

## Eventos

### 1. Workshop THE FUTURE OF MOS TECHNOLOGIES

**(Comunicado por Bruno Castilho em 17/02/2021)**

1st Announcement: OPTICON-CSIC Virtual Workshop on THE FUTURE OF MOS TECHNOLOGIES  
April 26 -29, 2021

We announce a four-day workshop of the EC-funded OPTICON network on the development of technologies to acquire the light from thousands of targets simultaneously, as it is planned for the 2020s and future generations of multi-object spectrographs (MOS).

Massive spectroscopic surveys are essential to advance astrophysics and cosmology. They can address new fundamental knowledge, ranging from a complete understanding of the formation of the Milky Way to probing the nature of the mysterious dark energy. The technology required to enable large spectroscopic surveys is one of the most challenging in astronomical instrumentation: instruments need to be accurate, with micrometre positioning accuracy and repeatability; fast, to minimize overheads; robust, to minimize failure; and low cost. In recent years, new mechatronic devices have been developed to place thousands of high throughput optical fibres at any given position on the focal plane. Other technologies subject to current R&D involve micro-mirror and micro-shutter arrays, programmable slit masks and, with increasing importance, photonic technologies (e.g., multi-core fibres, photonic lanterns, multiplexers, arrayed waveguide gratings).

This event will provide an excellent opportunity to bring together experts from different areas and groups with the goal to:

- Present current and future MOS instruments and facilities.
- Discuss and share innovative ideas for the design and development of new MOS instrumentation.
- Identify the key enabling technologies that will require active industrial development.
- Recognise new techniques and manufacturing capabilities in the market.
- Examine optimal target acquisition and positioning methods and algorithms.
- Review unbiased estimators to account for MOS assignment strategies.

Europe has shown emergent leadership in all these domains, and this focused meeting will enhance and improve collaboration among different international actors. These techniques have led to enormous activity in recent years (e.g., the WEAVE, DESI, 4MOST, PFS and MOONS spectrographs), and work is underway on advanced designs for the next generation of MOS instruments, from dedicated 10-12m class facilities (e.g. MSE, SpecTel) to MOSAIC, the multi-object spectrograph on the ELT.

By involving a wide range of European and international instrumentation groups with demonstrated leadership in the field, as well as representatives from MOS projects worldwide, this multidisciplinary OPTICON Workshop will ensure that feedback from the science users of MOS instruments helps to shape next-generation facilities.

The workshop will comprise invited and contributed talks. Invited review talks will help set the scene, and will include more technical presentations on MOS systems for facilities currently under construction and development. We welcome contributions on, e.g., novel ideas, designs, developments, and results from currently built MOS facilities—including talks on 'lessons learned' from technology groups and science users.

Registration is now open and available at the conference website:

[ <https://rsjanssen7.wixsite.com/mostech2021> |  
<https://rsjanssen7.wixsite.com/mostech2021> ]

The meeting has no registration fee.

Key dates

March 15 : Abstract submission deadline

April 21 : Closing of registration

April 26 -29: Online workshop

Scientific Organising Committee:

Jean-Gabriel Cuby (LAM)

Bianca Garilli (INAF)

Vanessa Hill (OCA)

Andreas Kelz (AIP)

Francisco Prada (CSIC; co-Chair)

Suzanne Ramsay (ESO)

Ruben Sanchez-Janssen (UKATC; co-Chair)

This event will promote diversity and non-discrimination in all its forms: gender, sexual orientation, race, nationality, and career status.

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## **2. CAP 2021 VIRTUAL CONFERENCE**

**(Comunicado por Gustavo Rojas em 18/02/2021)**

In May 2021 the International Astronomical Union's (IAU's) Commission C2 — Communicating Astronomy with the Public (CAP) — will host an entirely virtual conference in its long-running Communicating Astronomy with the Public Conference series, CAP 2021. The face-to-face CAP conference that had been planned for September 2020 in Sydney, Australia, has been postponed as a result of the COVID-19 pandemic.

CAP 2021 will be held 24–27 May 2021, under the central theme Communicating Astronomy with the Public in the Age of Global Crises. Thanks to generous support from The Kavli Foundation, which has provided a grant to strengthen the IAU's public engagement programmes and scientific meetings, registration for CAP 2021 will be free to all attendees.

We invite you to read more details on the IAU website:

<https://iau.org/news/announcements/detail/ann21007/>

Updates will continue to be published on the CAP 2021 website:

<https://www.communicatingastronomy.org/cap2021/>

You can also follow us on social media, contact us directly or subscribe to our mailing list, all from here:  
<https://www.communicatingastronomy.org/cap2021/contact/>

### **3. EVENTO EM HOMENAGEM AO PROF. JOÃO STEINER (1950-2020)**

**(Comunicado por Gislene Yoko em 19/02/2021)**

No próximo dia 24 de fevereiro, 4a. feira, às 14h, o IAG-USP homenageará o Prof. JOÃO E. STEINER em um evento que trará depoimentos de colegas da Universidade e de fora dela que tiveram o privilégio de com ele conviver.

O evento será virtual e todos estão convidados. O link e a programação estão a seguir:  
<https://www.iag.usp.br/evento/homenagem-joao-steiner>".

Contamos com sua participação!

Prof. Laerte Sodré Júnior  
Coordenador GMT Brasil  
São Paulo Astronomy Network (SPANet)

## **Informes da Diretoria**

### **Pagamento das Anuidades**

A SAB é uma sociedade científica sem fins lucrativos cuja finalidade é congregar os astrônomos do Brasil. Sua única fonte de renda são as anuidades pagas pelos seus sócios. Vimos notando, nos últimos anos, uma diminuição preocupante do número de sócios quites com as anuidades. Solicitamos, por favor, que verifiquem na página da SAB (<http://sab-astro.org.br>) sua situação ou contactem a sra. Rosana, secretária da SAB, por meio do e-mail [secsab@sab-astro.org.br](mailto:secsab@sab-astro.org.br).

### **Ouvidoria da SAB**

Este é um canal de comunicação entre a Diretoria da Sociedade Astronômica Brasileira e seus associados/a. A finalidade principal desta Ouvidoria é receber manifestações dos associados como sugestões, reclamações e denúncias.

Você pode se manifestar entrando em contato com nossa Ouvidoria através do e-mail:  
[ouvidoriasab@sab-astro.org.br](mailto:ouvidoriasab@sab-astro.org.br)

A Ouvidoria é composta por:

- 1 - Daniela Mourão (UNESP)
- 2 - Denise Gonçalves (OV/UFRJ)
- 3 - Fernando Roig (ON)
- 4 - Walter Maciel (IAG/USP) - Coordenador

### **Formato para publicar no Comunicações da SAB**

O formato das notícias a serem publicadas no "Comunicações da SAB" deve ser o que segue. Informamos que não serão editadas ou compostas mensagens com base em links ou textos, não serão editadas tabelas ou imagens. Deve ser informada a sessão de publicação (Informes, Oportunidades, Eventos). Arquivos ou imagens associadas devem ser enviadas preferencialmente como links, ou arquivos anexados em pdf.

Título: XXXXXX

(Comunicado por XXXX em xx/xx/xx)

Texto do que se deseja divulgar: XXXXX

As contribuições devem ser enviadas para o e-mail: [comunicacoessab@sab-astro.org.br](mailto:comunicacoessab@sab-astro.org.br)

## **E-mails de Contato**

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