

SPANet Workshop of Radio Astronomy

Thursday September 28th

Abstract

The workshop will be divided in two talk sessions and a plenary discussion session.

The first talk session, "Key Projects in São Paulo", will address current and future radio astronomical facilities in the State or with the leadership of researchers from SP. In this session, there will be 6 presentations of 20 min each (15+5), followed by discussions.

After lunch, it is time for the "Science Projects" session, with 13 presentations of 10 min each (including questions). The aim of these presentations is to make our community aware of the scientific interests and activities of the participants. They are NOT regular full presentations of scientific results.

The workshop will finish with a plenary session, where we will discuss actions to improve the community collaboration synergy and how to maximize the scientific output and training opportunities in the field considering current and new facilities. We will welcome suggestions and proposals of actions to boost radio astronomy in São Paulo.

Session 1: Key Projects in São Paulo

9:00 - Laerte Sodré (IAG/USP): *The SPANet and the objectives of the workshop*

9:20 - Thijs de Graauw (ESO/IAG-USP/ASC-LPI): *The Radio Observatories Universe*

9:40 - Jacques Lépine(IAG): *The LLAMA project*

10:00 - Carlos Alexandre Wuensche (INPE): *The BINGO radio telescope and 21 cm Cosmology*

10:20 - Coffee Break

10:40 - Jean-Pierre Raulin(Mackenzie): *Research activities and instrumental facilities at CRAAM/Mackenzie*

11:00 - Zulema Abraham (IAG): *Past and Future of the Itapetinga Radiotelescope*

11:20 - Joaquim Costa (INPE): *BDA present status and future perspective*

11:40 - Discussion

12:00 Lunch time

Session 2: Science Projects

13:30 - Thiago Gonçalves (Observatório do Valongo): *Prospects for studies of the interstellar medium and star formation in galaxies*

13:40 - Zulema Abraham (IAG): *Radioastronomy at IAG: from the ISM to AGNs*

13:50 - André Schutzer (IAG): *Study of the Evolution of Superluminal Components of the Blazar PKS 1510-089*

14:00 - Juliana Motter (IAG): *18-22 cm VLBA Faraday rotation studies of six AGN jets*

14:10 - Roderik Overzier (ON): *The Extragalactic Universe at Radio Frequencies*

14:20 - Karín Menéndez-Delmestre (Observatório do Valongo): *Gas Motions within barred galaxies – prospective studies with LLAMA*

14:30 - Gilmar Alves Silva (Mackenzie): *Resposta da ionosfera frente a tempestade geomagnética de 17 de março de 2017 observada em quatro estações brasileiras*

14:40 - Michael Peel (IF) *The rules of BINGO: the technical requirements and how to meet them*

14:50 - Pedro Paulo Beaklini(IAG): *Radio Astronomy Holography*

15:00 -Stop & Go Coffee Break

15:10 - Adriana Valio (CRAAM/Mackenzie): *Solar Flare Observations at 45 and 90 GHz with Circular Polarisation*

15:20 - Alexandre Oliveira e Silva(UNIVAP): *A Perspectives with the use of LLAMA in analysis of the chromospheric atmospheric models*

15:30 - Caius Lucius Selhost (NAT/UCS): *The influence of eclipses in the stellar radio emission*

15: 40 - Felipe Navarete (IAG): *Characterization of the mid-J CO emission towards an ATLASGAL-selected high-mass clumps in the inner Galaxy*

15:50 - Phillip Galli (IAG): *Prospects of radio astrometry with VLBI networks*

16:00 - Poster & Coffee Break

16:15 - Discussion: *how to improve the radio astronomical activities?*