

**ASTRONOMICAL POLARIMETRY 2014**  
**Grenoble, France, May 26–30 2014**

**\*\*\* CONFERENCE PROGRAMME \*\*\***

I Invited talk  
S Solicited talk  
C Contributed talk

**DAY 1 : Monday, May 26th**

08:30-09:30 Arrival, Registration

09:30-09:45 Welcome words.

**SESSION I: New Instrumentation, Facilities, and Techniques :  
Optical and Near-Infrared**

09:45-10:05 **M. Perrin** – Polarimetry with Gemini Planet Imager (C)

10:05-10:25 **D. Mouillet** – Polarimetry with VLT / SPHERE (C)

10:25-10:45 **T. Fujiyoshi** – N-band polarimeter for SUBARU/COMICS (C)

**10:45–11:20 Coffee and Posters**

11:20-11:40 **H.-M. Schmid** – Concept and test results for ZIMPOL (C)

11:40-12:00 **M. Rodenhuis** – The EXtreme Polarimeter and its successor (C)

12:00-12:20 **D. Vorobiev** – Polarization-sensitive imaging sensors (C)

**12:20–14:00 Lunch**

14:00-14:20 **A.M. Magalhaes** – The SouthPol survey (C)

14:20-14:55 **F. Snik** – Polarimetry with Extremely Large Telescopes (I)

**SESSION II: New Instrumentation, Facilities, and Techniques:  
Far-Infrared and Radio**

15:00-15:35 **H. Nagai** – ALMA polarimetry, current status and cycle 3 capabilities (I)

15:35-15:55 **C.D. Dowell** – SOFIA HAWC+: FIR dust polarimetry (C)

15:55-16:15 **C. Thum** – IRAM XPOL: capabilities and results (C)

**16:15–17:00 Coffee and Posters**

17:00-17:20 **I. Mizuno** – Polarimetry at the Nobeyama 45m (C)

17:20-17:40 **A. Ritacco** – NIKA: the New IRAM KID Arrays (C)

17:40-18:00 **H. Wiesemeyer** – Submillimeter polarimetry with APEX (C)

## **DAY 2 : Tuesday, May 27th**

### **SESSION III : Particle Properties, Laboratory Measurements, and Modelling.**

- 09:00–09:35 **O. Muñoz** – Light scattering measurements of cosmic dust analogs(I)  
09:35–09:55 **D. Guirado** – Extrapolation of scattering matrices (C)  
09:55–10h15 **E. Hadamcik** – Observations and exp erimental simulations in optically thin clouds (C)

#### **10:15–11:00 Coffee and Posters**

- 11:00–11:35 **K. Muinonen** – Multiple scattering of light by the surfaces of planetary objects (I)  
11:35–11:55 **I. Milic** – Scattering line polarization in rotating optically thick disks (C)

### **SESSION IV: ISM, Molecular Clouds, Star Formation**

- 11:55–12:25 **A. Lazarian** – Grain alignment: theory (S)

#### **12:30–14:00 Lunch**

- 14:00–14:30 **B-G Andersson** – Grain alignment: observations (S)  
14:30–14:50 **T. Hoang** – ISM magnetic field measured using UV dust polarimetry (C)  
14:50–15:10 **T. Robshaw** – The Zeeman effect to study ISM magnetic fields (C)  
15:10–15:30 **F. Levrier** – Polarization of Galactic foreground from Planck (C)  
15:30–15:50 **J. Vaillancourt** – FIR and mm polarization in galactic clouds (C)  
15:50–16:10 **M. Houde** – Characterization of magnetized turbulence (C)

#### **16:10–16:55 Coffee and Posters**

- 16:55–17:25 **C. Hull** – Multiscale view of magnetized star formation(S)  
17:25–17:45 **J. Davidson** – L1527, a cautionary tale (C)  
17:45–18:15 **J. Kwon** – Circular polarization from star forming regions (S)  
18:15–18:35 **F. Alves** – Multi-wavelength polarimetry of a pre-stellar core (C)

**18h30 - 21:00 Dinner at MINATEC (long period for poster): Bread, Wine, and Cheese**

## **DAY 3 : Wednesday, May 28th**

### **SESSION V: Circumstellar Matter**

- 09:00–09:30 **S. Quanz** – Polarimetric imaging of disks (S)  
09:30–09:50 **H. Canovas** – NaCo imaging polarimetry of HD 142527 (C)  
09:50–10:10 **H. Avenhaus** – Multi-epoch polarisation differential imaging of HD 100546 (C)  
10:10–10:30 **M. Millar-Blanchaer** – GPI observations of the debris disk of HD 61005 (C)

### **10:30–11:10 Coffee and Posters**

- 11:10–11:30 **C. Telesco** – Magnetic fields in young disks and their environments  
with GTC /CanariCam (C)  
11:30–11:50 **C. Wright** – CanariCam imaging and spectro-polarimetry of YSO driving  
bipolar jets (C)  
11:50–12:10 **J. Vink** – Spectropolarimetry and the circumstellar environments of  
young and massive stars (C)  
12:10–12:30 **P. Kervella** – Polarized light in the dusty nebula of the cepheid RS Puppis (C)  
12:30–12:50 **R. Tylenda** – Linear polarization of the red nova V4332 Sgr (C)  
  
12:50–13:00 Logistics , info

### **13:00 - Free Afternoon**

## **DAY 4 : Thursday, May 29th**

### **SESSION VI: Solar and Stellar Magnetic Fields**

- 09:00–09:30 **M. Faurobert** – The Solar magnetic field (I)  
09:30–09:50 **R. Kano** – Magnetic fields in the Solar chromosphere with Lyman alpha polarimetry (C)  
09:50–10:25 **J. Morin** – Magnetic fields of cool stars (I)

#### **10:25–11:15 Coffee and Posters**

- 11:15–11:50 **C. Neiner** – Magnetic fields of hot stars (I)  
11:50–12:10 **S. Jeffers** – The BCool survey of solar-type stars (C)  
12:10–12:30 **S. Boro Saikia** – Variable magnetic field of the young sun HN Peg (C)

#### **12:30–14:00 Lunch**

### **SESSION VII: Solar System and Exoplanets**

- 14:00–14:30 **S. Wiktorowicz** – Status of exoplanet polarimetry (I)  
14:30–14:50 **N.M. Kostogryz** – Polarimetry of the transiting exoplanetary system HD 189733 (C)  
14:50–15:10 **A. Bazzon** – The polarization of Earth (C)  
15:10–15:30 **T. Enomoto** – Monitoring of Venusian clouds with HOPS(C)  
15:30–15:50 **S. Bagnulo** – Spectro-polarimetry to study small Solar System bodies (C)  
15:50–16:10 **S. Berdyugina** – Remote detection of biological pigments on Earth-like planets (C)

#### **16:10–16:50 Coffee and Posters**

### **SESSION VIII: Cosmological Microwave Background**

- 16:50–17:20 **C.D. Dowell** – Detection of B-mode polarization at degree angular scales using BICEP 2 (I)  
17:20–17:50 **J. Macias Perez** – Polarisation of the CMB: first results from Planck (I)  
17:50–18:10 **V. Guillet** – Polarized emission of Galactic dust seen by Planck (C)  
18:10–18:30 **J. Peloton** – The Polarbear experiment: first results (C)

**18h40–21h00 DINNER at WTC + long poster session : Local specialties Ravioles de Roman and Mini Quenelles de Lyon**

## **DAY 5 : Friday, May 30th**

### **SESSION IX: External Galaxies, Active Galactic Nuclei**

- 09:00–09:35 **C. Tadhunter** – Optical and near-infrared polarimetry of AGNs(I)  
09:35–09:55 **E. Ramirez** – NIR polarimetry of narrow-line radio galaxies with HST (C)  
09:55–10:15 **C. Ramos Almeida** – VLT/FORS spectropolarimetry of Seyfert galaxies (C)  
10:15–10:35 **C. Packham** – Infrared polarimeters and AGNs (C)

#### **10:35–11:20 Coffee and Posters**

- 11:20–11:40 **E. Lopez-Rodriguez** – Polarimetry in AGNs (C)  
11:40–12:00 **B. Shahzamanian** – Near infrared polarized light from Sgr A\* (C)  
12:00–12:20 **M. Yoshida** – Spectropolarimetry of starburst galaxies(C)

#### **12:30–14:00 Lunch**

### **SESSION X: High Energy Astrophysics, Gamma-Ray Bursts, Supernovae**

- 14:00–14:20 **K.M.G. Silva** – Polarimetric observations and modelling of V393 Pav and other AM Her systems (presented by CV Rodrigues) (C)  
14:20–14:40 **E. Angelakis** – Optical polarization monitoring of gamma-ray-loud Blazars (C)  
14:40–15:00 **P. Moran** – INTEGRAL/IBIS and optical monitoring of the CRAB nebula/pulsar polarization (C)  
15:00–15:20 **K. Takaki** – Polarization observations of 5 GRB afterglows (C)

**15H20–15H30 LAST WORDS + GOODBYE !**

#### **POSTERS :**

**By default all abstracts not selected for talks are expected to become posters. Posters will be visible all week.**

**POSTER SIZE : recommended is A0 in Portrait mode.**

**(or about 90cm wide (horizontal) by 120cm high (vertical))**