



IAUS300 is dedicated to the memory of Professor Einar Tandberg-Hanssen who passed away in July 2011. He was deeply involved in prominences studies until the end of his life. He is the author of the book “The nature of solar prominences”, published in 1995 and which is taken as the authority in the field.

Program

Monday, June 10, 2013

Time	Event
11:00 am - 2:30 pm	Registration - Registration
2:30 pm - 2:35 pm	Welcome (Chairman: B.Schmieder) (Amphithéâtre Friedel) - (Valérie Cabuil - Chimie Paris-Tech - Paris Sciences et Lettres)
2:35 pm - 3:10 pm	For Einar Tandberg Hanssen (Chairman: R. Moore) (Amphithéâtre Friedel) - Speakers: Jean Claude Pecker (Sciences Academy), B. Schmieder, S.T. Wu, Else and Karin (Daughters of Einar)
3:10 pm - 4:00 pm	Session I-1.1 Prominence: fine structure, dynamics and seismology - Chairman: Jongchul Chae
15:10 - 15:50	› Fine structures and dynamics of prominences and filaments - <i>Thomas Berger, National Solar Observatory</i>
4:00 pm - 4:30 pm	Coffee break (Galerie)
4:30 pm - 6:30 pm	Session I-1.1 Prominence: fine structure, dynamics and seismology - Chairman: Jongchul Chae
16:30 - 17:00	› Theoretical Models of the Origin of Prominence Mass - <i>Judy Karpen, NASA Goddard Space Flight Center</i>
17:00 - 17:30	› Prominence Seismology - <i>José Ballester, Universitat Illes Balears</i>
17:30 - 17:45	› Formation and evolution of an active region filament - <i>Christoph Kuckein, Leibniz Institute for Astrophysics Potsdam</i>
17:45 - 18:00	› The Evolution of Barbs of a Polar Crown Filament Observed by SDO - <i>Leping Li, National Astronomical Observatories, Chinese Academy of Sciences</i>
18:00 - 18:15	› The damping of transverse oscillations of prominence threads: a comparative study - <i>Roberto Soler, Universitat Illes Balears</i>
18:15 - 18:30	› Non-LTE Modeling and Observations of Oscillating Prominences - <i>Maciej Zapiór, Universitat de les Illes Balears</i>

Tuesday, June 11, 2013

Time	Event
8:30 am - 9:00 am	Poster - Poster viewing
9:00 am - 10:35 am	Session I-1.2 Prominence Plasma - Chairman: Petr Heinzel
09:00 - 09:30	› Quiescent prominence fine structure modelling - <i>Stanislav Gunár, Astronomical Institute of the Academy of Sciences of Czech Republic</i>
09:30 - 10:00	› On the nature of the prominence corona transition region - <i>Susanna Parenti, Royal Observatory of Belgium - STCE</i>
10:00 - 10:20	› Plasma properties in eruptive prominences - <i>Nicolas Labrosse, University of Glasgow</i>
10:20 - 10:35	› Determination of Temperature in Solar Prominences/Filaments Using FISS Observations - <i>Jongchul Chae, Seoul National University</i>
10:35 am - 11:00 am	Coffee break
11:00 am - 11:30 am	Session I-1.2 Prominence Plasma - Chairma: Petr Heinzel
11:00 - 11:15	› Rayleigh–Taylor instability in prominences from numerical simulations including partial ionization effects - <i>Elena Khomenko, Instituto de Astrofísica de Canarias</i>
11:15 - 11:30	› Determination of Prominence Plasma β from the Dynamics of Rising Plumes - <i>Andrew Hillier, Kwasan Observatory, Kyoto University</i>
11:30 am - 12:30 pm	Session I-1.3 Magnetic Field: Measurements and Models - Chairman: Duncan Mackay
11:30 - 12:00	› Inference of the Magnetic Field Vector in Prominences - <i>Bruce Lites, National Center for Atmospheric Research</i>
12:00 - 12:15	› On the magnetic topology of quiescent prominence bubbles - <i>Jaroslav Dudík, Comenius University</i>
12:15 - 12:30	› A first look into the magnetic field configuration of prominence threads and bubbles using spectropolarimetric data - <i>David Orozco Suárez, Instituto de Astrofísica de Canarias</i>
12:30 pm - 2:00 pm	Lunch (Bibliothèque)
2:00 pm - 3:00 pm	Session I-1.3 Magnetic Field: Measurements and Models - Chairman: Duncan Mackay
14:00 - 14:15	› Observation of the magnetic field in solar tornadoes - <i>maria jesus martinez gonzalez, Instituto de Astrofísica de Canarias</i>
14:15 - 14:30	› Chromospheric magnetic field of an active region filament using the He I triplet and the primary observation of filaments (prominences) using New Vacuum Solar Tower of China - <i>Zhi Xu, Yunnan Astronomical Observatory</i>
14:45 - 14:45	› 3D PROMINENCE-HOSTING MAGNETIC CONFIGURATIONS: CREATING A HELICAL MAGNETIC FLUX ROPE - <i>Chun Xia, Centre for mathematical Plasma Astrophysics</i>
2:50 pm - 3:30 pm	Session I-1.4 Filament Environment - Chairman: YiHua Yan

Time	Event
14:50 - 15:30	› Structure and topology of magnetic fields in solar prominences and their local environments - <i>Adriaan van Ballegooijen, Harvard-Smithsonian Center for Astrophysics</i>
3:30 pm - 4:30 pm	Coffee break and Poster session - Poster session in the Galerie
4:30 pm - 6:30 pm	Session I-1.4 Filament Environment - Chairman: YiHua Yan
16:30 - 17:45	› Hemispheric Patterns in Filament Chirality and Sigmoid Morphology over the Solar Cycle - <i>Petrus Martens, Montana State University</i>
16:45 - 17:15	› Magnetism and the Invisible Man: The Mysteries of Coronal Cavities - <i>Sarah Gibson, National Center for Atmospheric Research</i>
17:15 - 17:30	› The role of prominences in defining the quiescent and dynamic large scale coronal structures - <i>Shadia Habbal, Institute for Astronomy, University of Hawaii</i>
17:30 - 17:45	› Diagnosing the Prominence-Cavity Connection - <i>Donald Schmit, Max Planck Institute for Solar System Research</i>
17:45 - 18:00	› Observation of the Prominence Cavity Regions using slitless Eclipse Flash Spectra and Spaceborn filtergrams - <i>Cyrille Bazin, Institut d'Astrophysique de Paris, Laboratoire d'Astrophysique de Marseille</i>
18:00 - 18:15	› Large-amplitude longitudinal oscillations in solar prominences - <i>Manuel Luna, Instituto de Astrofísica de Canarias - Therese Kucera, NASA Goddard Space Flight Center</i>
18:15 - 18:30	› Observations and simulations of longitudinal oscillations of an active region prominence - <i>Qingmin Zhang, Purple Mountain Observatory</i>

Wednesday, June 12, 2013

Time	Event
8:30 am - 9:00 am	Poster - Poster viewing
9:00 am - 10:00 am	Session I-1.5 Solar Cycle Evolution of Prominences and Eruptions
09:00 - 09:30	› Unusual migration of the prominence activities in recent solar cycles - <i>Masumi Shimojo, National Astronomical Observatory of Japan</i>
09:30 - 09:45	› Global magnetic field cycle evolution and prominence eruptions - <i>Irina Bilenko, Sternberg Astronomical Institute</i>
09:45 - 10:00	› Explaining the Hemispheric Pattern of Filament Chirality - <i>Duncan Mackay, University of St Andrews</i>
10:00 am - 10:30 am	Session II-2.1 Prominence destabilization, CMEs, 3D reconstructions - Chairman: Lidia van Driel
10:00 - 10:15	› Dynamics of prominences from combined ground-based and space-borne observations - <i>Laura Balmaceda, Inst. de Cs. Astronomicas, de la Tierra y el Espacio</i>
10:15 - 10:30	› Evidence for Flux Ropes - <i>Alan Title, Lockheed Martin Advanced Technology Center</i>
10:30 am - 11:00 am	Coffee Break
11:00 am - 12:30 pm	Session II-2.1 Prominence destabilization, CMEs, 3D reconstructions -

Time	Event
	Chairman: Lidia van Driel
11:00 - 11:30	› Key Physics of Prominence Eruption : Models and Observations - Kazunari Shibata, Kwasan and Hida Observatories
11:30 - 12:00	› Where do we stand in understanding prominence eruptions - Guillaume Aulanier, Paris Observatory
12:00 - 12:15	› Magnetohydrodynamic study on the effect of the gravity stratification on flux rope ejections - Paolo Pagano, University of St Andrews
12:15 - 12:30	› Torus instability of a line-tied flux rope - Oscar Olmedo, Naval Research Laboratory
12:30 pm - 2:00 pm	Lunch (Bibliothèque)
2:00 pm - 3:30 pm	Session II-2.1 Prominence destabilization, CMEs, 3D reconstructions - Chairman: Lidia van Driel
14:00 - 14:20	› Initiation of Coronal Mass Ejections by Sunspot Rotation - Gherardo Valori, Paris Observatory
14:20 - 14:40	› Flux rope formation prior to filament eruption - Lucie Green, Lucie Green
14:40 - 15:00	› Three-dimensional Reconstruction of Eruptive Prominences - Ting Li, National Astronomical Observatories, Chinese Academy of Sciences
15:00 - 15:15	› Hinode/EIS - SDO/AIA study of a filament eruption - Deborah Baker, UCL/MSSL
15:15 - 15:30	› Filaments Evolution and Flare in NOAA AR 11589 - Kévin Dalmasse, Paris Observatory
3:30 pm - 4:30 pm	Coffee and Poster Session - Poster Session in the Grande Galerie
4:30 pm - 6:30 pm	Session II-2.1 Prominence destabilization, CMEs, 3D reconstructions - Chairman: Nandita Srivastava
16:30 - 16:45	› Transient Brightenings Associated with Flux Cancellation Along a Filament Channel - Karin Muglach, NASA Goddard Space Flight Center, Code 674, Artep, Inc.
16:45 - 17:00	› Fractal Reconnection and Stochastic Particle Acceleration induced by a Prominence Eruption - Naoto Nishizuka, Japan Aerospace Exploration Agency
17:00 - 17:15	› Low polarised emission from the core of coronal mass ejections - Marilena Mierla, Royal Observatory of Belgium
17:15 - 17:30	› The 3-D NLFFF reconstruction of Active Region NOAA 11158 - Yihua Yan, Key Lab of Solar Activity, National Astronomical Observatories, Chinese Academy of Sciences
17:30 - 17:45	› Sympathetic Partial and Full Filament Eruptions Observed in One Solar Breakout Event - Yuandeng Shen, Yunnan Astronomical Observatory
17:45 - 18:00	› A solar tornado caused by flares - Navdeep Panesar, Max Planck Institute for solar system research
18:00 - 18:15	› Dynamo driven coronal ejections - Joern Warnecke, Nordic Institute for Theoretical Physics, Department of Astronomy, Stockholm University
18:15 - 18:30	› An estimate of the contribution of blowout jets to the solar wind mass

Time Event
[and energy](#) - *giannina poletto, INAF - Arcetri Astrophysical Observatory*

Thursday, June 13, 2013

Time Event

8:30 am - 9:00 am Poster - Poster viewing

9:00 am - 10:30 am Session II-2.2 CMEsand Magnetic clouds in the Helisphere and their impacts on Eart's Environment - Chairman: Guillaume Aulanier

09:00 - 09:30 › [Evolution of ICMEs and magnetic clouds in the heliosphere](#) - *Pascal Démoulin, Paris Observatory*

09:30 - 10:00 › [Coronal mass ejections from the upper corona to Earth's bow shock](#) - *Noe Lugaz, University of New Hampshire*

10:00 - 10:15 › [Characterization of global geometrical properties of magnetic clouds deduced from in-situ data](#) - *Miho Janvier, Paris Observatory*

10:15 - 10:30 › [Reconstruction of Magnetic Clouds from In-Situ Spacecraft Measurements and Intercomparison with Their Solar Sources](#) - *Qiang Hu, The University of Alabama in Huntsville*

10:30 am - 11:00 am Coffee break (Galerie)

11:00 am - 12:30 pm Session II-2.2 CMEsand Magnetic clouds in the Helisphere and their impacts on Eart's Environment - Chairman: Sergio Dasso

11:00 - 11:30 › [Properties and processes that influence CME geo-effectiveness](#) - *Benoit Lavraud, Institut de Recherche en Astrophysique et Planetologie*

11:30 - 12:00 › [The geoeffectiveness of ICMEs](#) - *Alisson Dal Lago, National Institute for Space Research*

12:00 - 12:15 › [Can a halo CME from the limb be geoeffective?](#) - *Consuelo Cid, Departamento de Fisica University de Alcala*

12:15 - 12:30 › [Statistical analysis of magnetic cloud erosion by magnetic reconnection](#) - *Alexis Ruffenach, Institut de recherche en astrophysique et planétologie*

12:30 pm - 2:00 pm Lunch (Bibliothèque)

2:00 pm - 3:30 pm Session II-2.2 CMEsand Magnetic clouds in the Helisphere and their impacts on Eart's Environment - Chairman: Sergio Dasso

14:00 - 14:15 › [Coronal Mass Ejections and associated shocks: Build-up and propagation in a complex environment](#) - *Monique Pick, Observatoire de Paris*

14:15 - 14:45 › [The in-situ manifestation of solar prominence material](#) - *Susan Lepri, University of Michigan*

14:45 - 15:15 › [Interplanetary Disturbances Affecting Space Weather](#) - *Robert Wimmer-Schweingruber, Christian-Albrechts-University Kiel*

15:15 - 15:30 › [Filament Eruptions, Jets, and Space Weather](#) - *Ron Moore, NASA Marshall Space Flight Center*

3:30 pm - 4:30 pm Coffee break and Poster Session - Poster Session in the Grande Galerie

Time	Event
4:30 pm - 6:15 pm	Session III Stellar Ejecta and Impact on Exoplanets (Amphithéâtre Friedel) - Chairman: Moira Jardine
16:30 - 17:00	› Observations of coronae and prominences in active cool stars - <i>Gaitee Hussain, European Southern Observatory</i>
17:00 - 17:15	› Coronal mass ejections and angular momentum loss in young stars - <i>Alicia Aarnio, University of Michigan</i>
17:15 - 17:45	› Magnetised stellar winds and their impact on exoplanets - <i>Aline Vidotto, University of St Andrews</i>
17:45 - 18:00	› Solar wind properties and coronal rotation during the activity cycle - <i>Rui Pinto, Paris Observatory & CEA Saclay</i>
18:00 - 18:15	› Modeling magnetized star-planet interactions - <i>Antoine Strugarek, CEA Saclay</i>
7:30 pm - 11:30 pm	Conference Dinner - Dinner

Friday, June 14, 2013

Time	Event
8:30 am - 9:00 am	Poster - Poster Viewing
9:00 am - 9:45 am	Session III Stellar Ejecta and Impact on Exoplanets - Chairman: Moira Jardine
09:00 - 09:30	› Stellar CME activity and its possible influence on exoplanets' environments - <i>Maxim Khodachenko, Space Research Institute, Austrian Academy of Sciences</i>
09:30 - 09:45	› Space observations of evaporating exoplanets - <i>David Ehrenreich, University of Geneva</i>
9:45 am - 10:30 am	Session IV Instrumentation, Missions and Techniques - Chairman: Valentin Martinez Pillet
09:45 - 10:00	› Prominences observations from space: advances and future challenges - <i>Frédéric Auchère, Institut d'astrophysique spatiale</i>
10:00 - 10:15	› The IRIS mission - prospects for prominence and filament science - <i>Mats Carlsson, University of Oslo</i>
10:15 - 10:30	› Observation of the prominence eruptions and CME during the Interhelioprobe solar mission - <i>Sergey Bogachev, Lebedev Physical Institute of Russian Academy of Sciences</i>
10:30 am - 11:00 am	Coffee break (Galerie)
11:00 am - 12:30 pm	Session IV Instrumentation, Missions and Techniques - Chairman: Valentin Martinez Pillet
11:00 - 11:15	› Introduction to the Chinese Giant Solar Telescope - <i>Zhong Liu, Yunnan Astronomical Observatory, Chinese Academy of Sciences</i>
11:15 - 11:30	› Scientific Programmes with India's National Large Solar Telescope and their contribution to Prominence Research - <i>S Sirajul Hasan, Indian Institute of Astrophysics</i>

Time	Event
11:30 - 11:40	> ALMA Observations of Solar Prominences - Petr Heinzel, Astronomical Institute, Academy of Sciences of the Czech Republic
11:40 - 12:05	> Prominence science with the ATST first light instrumentation - Thomas Rimmele, National Solar Observatory
12:05 - 12:30	> Instrument concepts for the observation of prominences with future ground-based telescopes - Arturo LOPEZ ARISTE, <i>Télescope héliographique pour l'étude du magnétisme et des instabilités solaires</i>
12:30 pm - 1:00 pm	Conclusion (Amphithéâtre Friedel) - Eric Priest
2:30 pm - 3:30 pm	Visit of the Observatoire de Paris (XIV Arrond.) - Guided tour of the Paris observatory
3:30 pm - 4:30 pm	Visit of the Observatoire de Paris (XIV Arrond.) - Guided Tour in the Observatoire de Paris

