MONDAY July 8th

09:00 Casiana Muñoz-Tuñón (Deputy Director, IAC, Spain)
   Welcome

09:15 David Valls-Gabaud (Obs. Paris, France)
   Introduction and overview

   Chairperson: Pierre-Alain Duc

09:30 R Michael Disney (Cardiff Univ., UK)
   Hidden galaxies: but not for long

10:00 R Eva Grebel (ARI, Germany)
   The renaissance of LSB galaxies

10:30 Coffee break

Session 1A  State-of-the-art in current and future ground-based instrumentation

11:00 R Christopher Mihos (CWRU, USA)
   Deep imaging of galaxies and clusters: successes and challenges

11:30 Matthew Lehnert (IAP, France)
   Low surface brightness molecular and atomic line emission in distant galaxies

11:45 R David Martínez Delgado (ARI, Germany)
   Ultra-deep imaging with amateur telescopes

12:15 Raúl Infante Sainz & Alex Roig (IAC; Astroprades, Spain)
   A 100h imaging of M101 with a small telescope: reaching the limits of amateur telescopes for low surface brightness science

12:30 Lunch
Session 1B  State-of-the-art in current and future space-based instrumentation

Chairperson: Noah Brosch

14:30 IT Sarah Brough (UNSW, Australia)
   *LSST and the LSB universe*

14:55 IT Johan Knapen (IAC, Spain)
   *Going towards wide-area ultra-deep imaging surveys*

15:20 Lee Spitler (Macquarie Univ., Australia)
   *The Huntsman Telescope*

15:35 Jean-Charles Cuillandre (CEA, France)
   *The Canada-France imaging survey as a Euclid precursor: blind all-sky low surface brightness survey of the northern sky*

15:50 IT Armando Gil de Paz (UCM, Spain)
   *Darkness revealed: The MESSIER surveyor*

16:15 Vincent Picouet (LAM, France)
   *FIREBall-2: The first stratospheric balloon coupled to a multi object spectrograph to reveal the CGM at z~0.7*

16:30 Sona Hosseini (JPL, USA)
   *AMUSS – Astrophysics Miniaturized UV Spatial Spectrometer for spectroscopic studies of diffuse astrophysical objects*

16:45 Coffee Break

Session 2  Data analysis in LSB imaging

Chairperson: Lee Spitler

17:15 IT Sugata Kaviraj (Univ. Hertfordshire, UK)
   *The low-surface-brightness universe: the new frontier in the study of galaxy evolution*

17:40 IT Mohammad Akhlaghi (IAC, Spain)
   *Digging out the low-surface-brightness universe: understanding and constraining the limits of methods used*

18:05 Ignacio Trujillo (IAC, Spain)
   *Reproducibility in ultra-deep imaging*

18:20 Cristina Martínez Lombilla (UNSW, Australia)
   *Brightness overestimation due to PSF in very faint galaxy structures: the thick discs case*

18:35 Alejandro S. Borlaff (ESA,Spain)
   *New limits to low surface brightness details: the Hubble Ultra Deep Field even deeper*

18:50 Poster presentations (#15 Kotulla, #18 Lee, #27 Mehrabani, #34 Sharbaf, #40 Weimann)

19:00 Welcome Reception
TUESDAY July 9th

Session 3  Dust particles and grains: from the Zodiacal light to the ISM cirri

Chairperson: Eva Villaver

09:00 R Anny-Chantal Levasseur-Regourd (LATMOS/IPSL, France)
  *Progress in Zodiacal light understanding: significance for observations of faint extended sources, properties and sources of interplanetary dust, and clues to Solar System evolution*

09:30 IT Jérémie Lasue (IRAP, France)
  *Interpreting the Zodiacal light observations from the properties of interplanetary and cometary dust particles*

09:55 R François Boulanger (ENS, France)
  *Diffuse light from interstellar cirrus clouds across the electromagnetic spectrum*

10:25 IT Sébastien Viaene (Ghent Univ., Belgium)
  *Deriving diffuse dust properties from UV and optical observations*

10:50 Javier Román (IAA, Spain)
  *Galactic cirri in deep optical imaging*

11:05 Coffee break

Session 4  The LSB circumstellar medium and orphan stars

Chairperson: Sarah Brough

11:35 R Raghvendra Sahai (JPL, USA)
  *Faint but not forgotten: astrospheres around dying stars*

12:05 R Eva Villaver (UAM, Spain)
  *The tale of the lost mass*

12:35 IT Dominik Bomans (Bochum, Germany)
  *Multi-wavelength observations of Orphan SN and other transients as signposts for very low surface brightness structures*

13:00 Thomas Sedgwick (LJMU, UK)
  *Low surface brightness galaxies & the galaxy stellar mass function from core-collapse supernovae*

13:15 Lunch
Session 5A  Low surface brightness features around and within galaxies

Chairperson: Gaspar Galaz

15:00  R Denija Crnojević (Univ. Tampa, USA)
Near-field cosmology with low surface brightness features

15:30  IT Allison Merritt (MPIA, Germany)
A survey of observed and simulated stellar halos around Milky Way-like galaxies in the nearby universe

15:55  IT Chris Brook (IAC, Spain)
Forming low surface brightness objects in simulations

16:20  Bärbel Koribalski (CSIRO, Australia)
Hydrogen tails, plumes, and filaments

16:35 Coffee break

17:05  IT Pierre-Alain Duc (Obs. Strasbourg, France)
MATLAS: An investigation of the mass assembly of galaxies with their fine structures, satellite and globular cluster populations

17:30 Sarah Pearson (FICCA, USA)
Detecting thin stellar streams in external galaxies: resolved stars and integrated light

17:45 Nushkia Chamba (IAC, Spain)
The size of the galaxies in the era of ultra-deep imaging

18:00 Sakurako Okamoto (Subaru, Japan)
Signatures of on-going interactions at M81 group centre in the low-surface-brightness features

18:15 Oliver Müller (Obs. Strasbourg, France)
Hunting for low-surface-brightness features in nearby galaxy groups

18:30 Noah Brosch (Tel Aviv, Israel)
Low-surface-brightness features in Hickson compact groups

18:45 Sébastien Comerón (U. Oulu, Finland)
The reports of thick discs’ death are greatly exaggerated: thick discs are not artefacts caused by diffuse scattered light

19:00 End of session
WEDNESDAY July 10th

Session 5B  Low-surface-brightness features around and within galaxies

Chairperson: Stéphane Courteau

09:00 R David F. Malin (AAO, Australia)
   Early photographic detection of LSB features

09:30 Raja Guhathakurta (UCSC, USA)
   Dark matter and chemical enrichment in the low-surface-brightness outskirts of galaxies

09:45 In Sung Jang (Postdam, Germany)
   Tracing the extended stellar outskirts of low-mass disk galaxies

10:00 Michal Bilek (Obs. Strasbourg, France)
   Census of tidal features in nearby early-type galaxies

10:15 Fernando Buitrago (IASS, Portugal)
   Why finding an extended galaxy in a high redshift survey is not an annoyance but a potential treasure trove

10:30 Yutaka Komiyama (NAOJ, Japan)
   Low-surface-brightness features in the Local Universe viewed from the Subaru Prime Focus

10:45 Coffee break

Session 6A  The nature of ultra-diffuse galaxies and other LSB galaxies

Chairperson: Fernando Buitrago

11:15 Anna Ferré-Mateu (ICCUB, Spain)
   On the nature of the ghostly ultra diffuse galaxies in the Coma cluster

11:30 Tomás Ruiz-Lara (IAC, Spain)
   The stellar content in ultra diffuse galaxies: contrasting the galaxy “lacking dark matter” with other Coma cluster UDGs

11:45 Daniel J. Prole (Cardiff Univ., UK)
   The formation of ultra diffuse galaxies: observational evidence

12:00 Luis E. Pérez Montaño (UNAM Morelia, Mexico)
   Halo Structural parameters of low surface brightness galaxies

12:15 Poster presentations (#26 Martínez-Vázquez, #33 Saremi, #09 Grishin, #11 Javadi, #13 Kemp, #28 Park, #32 Ribbeck, #36 Walker, #24 Mancillas, #05 Brosch, #14 Kemp, #35 Stein, #39 Zemaitis)

13:00 Lunch
Session 6B  The nature of ultra-diffuse galaxies and other LSB galaxies

Chairperson: Mireia Montes

15:00  R Dennis Zaritsky (U. Arizona, USA)
       Searching for SMUDGes

15:30  Samuel Boissier (LAM, France)
       Ultra-diffuse and low-surface-brightness galaxies in the Virgo cluster: constraints from the VESTIGE and GUViCS surveys, and simple models

15:45  Gaspar Galaz (PUC, Chile)
       Unavoidable questions about giant low-surface-brightness galaxies

16:00  Anna Saburova (SAI, Russia)
       Unveiling the origin of giant low surface brightness discs: results of the long-slit spectral observations

16:15  Jeong Hwan Lee (U. Seoul, South Korea)
       Hunting distant UDGs in very massive clusters with HST

16:30 Coffee Break

17:00  Stéphane Courteau (Queen’s U., Canada)
       Structural and dynamical properties of LSB galaxies

17:15  Igor Chilingarian (SAO, USA)
       Internal dynamics and stellar content of ultra-diffuse galaxies in the Coma cluster prove their evolutionary link with dwarf early-type galaxies

17:30  Rhys Taylor (Prague, Czech Republic)
       Optically dark hydrogen clouds from the Arecibo Galaxy Environment Survey: dark galaxies or debris?

17:45  Pavel Mancera-Piña (Kapteyn, The Netherlands)
       The startling dynamics of HI-Rich ultra-diffuse galaxies

18:00  Salvador Cardona Barrero (IAC, Spain)
       Dispersion vs rotation support in ultra-diffuse and low surface brightness galaxies

18:15  Anton Afanasiev (SAI, Russia)
       Internal dynamics of the extended dwarf spheroidal galaxy KDG64: bridging the gap between ultra-diffuse galaxies and dwarf spheroidals

18:30 Poster presentations and discussions (#02 Bennet, #04 Bouquin, #19 Li, #06 Díaz-García, #21 Malayi, #31 Rey, #37 Watkins, #12 Junais, #16 Laine, #17 Lee, #10 Gomes)

19:00 End of session
THURSDAY July 11th

Session 7 The circumgalactic medium of low- and high-redshift galaxies

Chairperson: Matthew Lehnert

09:00 R Sebastiano Cantalupo (ETH, Switzerland)
Illuminating the cosmic web and the circumgalactic medium with fluorescent Lyman-alpha emission

09:30 IT Matthew Hayes (Stockholm Univ., Sweden)
The circumgalactic medium of low- redshift galaxies, probed by emission lines at low surface brightness

09:55 Deborah Lokhorst (Univ. Toronto, Canada)
Direct detection of the circumgalactic medium using Dragonfly

10:10 Jorge Sánchez Almeida (IAC, Spain)
GTC-based search for diffuse gas around local gas-accreting galaxies

10:25 Poster presentations and discussions (#29 Pérez-Fournon, #30 Pérez Hernandez)

11:00 Coffee break

11:30 IT Freeke van de Voort (MPA, Germany)
Cosmological simulations of the CGM at sub-kpc resolution

11:55 Genoveva Micheva (AIP, Germany)
Deep surface photometry of the Lyman Alpha Reference Sample (LARS)

12:10 Helmut Dannerbauer (IAC, Spain)
Surprising existence of circumgalactic molecular medium in a galaxy protocluster at z=2.2

12:25 Andrea Afruni (Kapteyn, The Netherlands)
Understanding the cool circumgalactic medium of passive galaxies

12:40 Poster presentations and discussions (#38 Wright, #23 Mancillas, #25 Mancillas, #03 Bilek, #01 Amiri, #20 De Oliveira)

13:00 Lunch
Session 8  The intracluster light and its role in galaxy evolution in clusters

Chairperson: Matthew Hayes

15:00 R Mireia Montes (UNSW, Australia)
*The intracluster light and its role in galaxy evolution in clusters*

15:30 IT Emmanuele Contini (Nanjing Univ., China)
*Intracluster light: its formation and main properties*

15:55 Marilena Spavone (Obs. Naples, Italy)
*Stellar haloes from deep VST surveys: comparing observations and theory*

16:10 Brandon Kelly (LJMU, UK)
*Intracluster light as a proxy for host cluster properties*

16:25 **Coffee break**

17:00 IT Florence Durret (IAP, France)
*Intracluster light and its influence on galaxy evolution in clusters*

17:25 IT Yolanda Jiménez-Teja (Obs. Rio de Janeiro, Brazil)
*Unveiling the dynamical stage of massive clusters through the study of the intracluster light*

17:50 Enrichetta Iodice (Obs. Capodimonte, Italy)
*The deep (photometric and spectroscopic) surveys of the Fornax cluster: exploring the faintest regions of the bright ETGs inside the virial radius*

18:05 Isaac Alonso Asensio (IAC, Spain)
*Similarity between stellar and total dark matter density distributions in the intra-cluster volume: a view from simulations*

18:20 Jongwan Ko (KASI, South Korea)
*Evidence for the existence of intracluster light ~5 billion years after the Big Bang*

18:35 Michael Wilkinson (U. Groningen, The Netherlands)
*Sourcerer*: a robust, multi-scale source extraction tool suitable for faint and diffuse objects

18:50 Poster presentations and discussions (#07 Ebrova, #22 Mancillas, #08 Ellien)

19:00 **End of session**

20:00 **Conference dinner (Hotel Mencey, Santa Cruz de Tenerife)**
FRIDAY July 12th

Session 9  The cosmic web of large-scale filaments

Chairperson: Simon Driver

09:00  R José Fonseca (U. Padova, Italy)
Line intensity mapping: a “novel” window to the cosmic web

09:30  IT Ewald Puchwein (AIP, Germany)
Lyman-alpha emission and absorption by the cosmic web

09:55  IT Nicolas Tejos (PUCV, Chile)
Looking for a WHIM in the large-scale filaments of the cosmic web

10:20 Coffee break

Session 10  The UV / optical / IR cosmological background radiation

Chairperson: Florence Durret

10:50  R Jayant Murthy (IIA, India)
The UV and optical sky background

11:20  IT Alberto Dominguez (UCM, Spain)
The extragalactic background light in the Fermi-LAT era

11:45  IT Simon Driver (UWA, Australia)
Measuring energy production in the Universe over all wavelengths and all time

12:10 Christopher Mihos (CWRU, USA)
Summary of the conference

12:40 End of conference

13:00 Lunch

14:15 Visit to Teide Observatory

20:30 Return from visit
Social Programme

- **Monday, July 8th**
  19:00   Welcome Reception.
  Cafeteria of the Aulario Central, Guajara Campus, University of La Laguna (conference venue)

- **Thursday, July 11th**
  20:00   Dinner at Hotel Iberostar Grand Mencey
  **Address:** Calle Doctor José Naveiras, 38, Santa Cruz de Tenerife, 38004
  **Tel:** +34 922-609-900
  **E-mail:** hotel.mencey@iberostar.com

- **Friday, July 12th**
  14:15 to 20:00   Excursion to Teide Observatory in Tenerife
  Buses leave from Conference Venue at 14:15
  Return to the venue expected at 20:00
  (Google Maps link: Mirador observatorio del Teide)
  [https://goo.gl/maps/WZsS6jd5SFVqSMMr9](https://goo.gl/maps/WZsS6jd5SFVqSMMr9)

- **Saturday, July 13th**
  08:00 to 19:30   Excursion to Roque de los Muchachos Observatory, La Palma
  **Flights:**
  NT 607 G 13JUL 6 TFNSPC HK15 0800 0830
  NT 638 G 13JUL 6 SPCTFN HK15 1900 1930
  **Visit of the Observatorio del Roque de los Muchachos (ORM)**
  (with guide from Starlight)
  11:00 Reception at ORM. Coffee + cakes!
  11:30 Visit to MAGIC
  12:30 Visit to GTC
  13:30 Lunch at ORM Residencia
  14:30 Visit to WHT