

Session Program

11-15 Jun 2018



Cosmic Dust: origin, applications & implications

Poster Presentations

Geological Museum, University of Copenhagen, Main Auditorium
Øster Voldgade 5 - 7, 1350 København K, Denmark

Monday 11 June

10:35

Poster Presentations: Poster Presentations

Poster Session |

Location: Geological Museum, University of Copenhagen, Main Auditorium, Øster Voldgade 5 - 7, 1350 København K, Denmark |

Convener: Christa Gall

Polycyclic aromatic hydrocarbon emission toward the Galactic bulge

Speaker

Prof. Els Peeters

Spatial variations in dust extinction properties and 3D structure in the Small Magellanic Cloud with SMIDGE

Speaker

Mrs Petia Yanchulova Merica-Jones

Dust Reverberation Mapping in AGN

Speaker

Bella Boulderstone

The Spatially Resolved Dust-to-Metals Ratio in M101

Speaker

Mr I-Da Chiang

Resolved spectral attenuation curves in dusty ETGs

Speaker

Sébastien Viaene

PAH photodissociation and the formation of H₂

Speaker

Alessandra Candian

Mid-IR spectroscopic observations of the dustiest AGB stars in the Galaxy

Speaker

Steve Goldman

The ESO Diffuse Interstellar Band Large Exploration Survey: First Results.

Speaker

Prof. Jan Cami

Temperature-Dependent Laboratory Measurements of the Far-Infrared to Millimeter Opacity of Carbonaceous Dust-Analogues

Speaker

Jonas Greif

Infrared emission and dust dynamics in expanding HII regions

Speaker

Dr Maria Kirsanova

The abundance of SiC₂ in Carbon Star Envelopes

Speaker

Ms Sarah Massalkhi

Reverberation Mapping the Hot Dust Emission in AGN from VEILS**Speaker**

Bella Boulderstone

An extensive grid of DARWIN models for M-type AGB stars**Speaker**

Sofie Liljegren

10:50

17:00

Poster Presentations: Poster Presentations**Poster Session** |**Location:** Geological Museum, University of Copenhagen, Main Auditorium, Øster Voldgade 5 - 7, 1350 København K, Denmark |**Convener:** Christa Gall**Constraining dust grain porosity via debris disk observations****Speaker**

Robert Brunngräber

Dust charge distribution in the Interstellar Medium**Speaker**

Juan C. Ibañez Mejía

Systematics in dust emission modeling in nearby galaxies**Speaker**

Jeremy Chastenet

Dust and gas properties in nearby galaxies**Speaker**

Dr Monica Relano Pastor

DustPedia: Multiwavelength Photometry & Imagery of 875 Nearby Galaxies in 42 Ultraviolet-Microwave Bands**Speaker**

Christopher Clark

UV Dust Extinction and Attenuation Curves in the Local Volume**Speaker**

Dr Lea Hagen

A systematic study of dust and star formation in early-type galaxies with AKARI**Speaker**

Dr Takuma Kokusho

Transfer of ionizing radiation through gas and dust**Speaker**

Martin Glatzle

DustKING: revealing the dust attenuation in NGC628**Speaker**

Ms Marjorie Declair

Dust formation and survival in Quasars**Speaker**

Dr Arkaprabha Sarangi

A Unified Model of the Emission, Extinction, and Polarization of Interstellar Dust**Speaker**

Brandon Hensley

Constraining dust parameters through observations of eccentric debris disks**Speaker**

Mr Minjae Kim

Dust models compatible with Planck and starlight polarization data**Speaker**

Vincent Guillet

Cosmological simulation with dust evolution**Speaker**

kuan-chou Hou

17:15

Tuesday 12 June

14:00

Poster Presentations

Poster Session |

Location: Geological Museum, University of Copenhagen, Main Auditorium, Øster Voldgade 5 - 7, 1350 København K, Denmark |

Convener: Christa Gall

Investigating the Properties of Nearby Galaxies

Speaker

Angelos Nersesian

PAHs and star formation in the HII regions of M83 and M33

Speaker

Alexandros Maragkoudakis

Constraints on the structure of hot exozodiacal dust belts and their observability in the MIR

Speaker

Florian Kirchschrager

Hydrodynamic Simulations of Dust Destruction in Supernova Remnants

Speaker

Ms Franziska Schmidt

Dust emission from the Cassiopeia A supernova remnant

Speaker

Felix Priestley

Mapping the extinction parameters of dust in the IC63 photodissociation region

Speaker

Dries Van De Putte

Probing the interstellar dust with X-rays: The Fe L and O K edges

Speaker

Ioanna Psaradaki

Relative sputtering rates of FeS, MgS, and Mg silicates: implications for ISM gas phase depletions of rock-forming elements

Speaker

Lindsay Keller

A Closer Look at Some Gas-Phase Depletions in the ISM: Trends for O, Ge and Kr vs. F^* , $f(H_2)$ and Starlight Intensity

Speaker

Edward Jenkins

VUV photoprocessing of large PAH cations: an experimental study

Speaker

Ms Gabi Wenzel

Constraint on properties of dust grains created by Population III supernovae

Speaker

Gen Chiaki

Dust Attenuation of Star-Forming Galaxies in the first 2 Gyr of the Universe

Speaker

Mr Yoshinobu Fudamoto

(Sub-)millimeter optical constants of silicates and water ice

Speaker

Dr Harald Mutschke

Large Interstellar Polarisation Survey

Speaker

Ralf Siebenmorgen

14:15

Wednesday 13 June

14:25

Poster Presentations

Poster Session |

Location: Geological Museum, University of Copenhagen, Main Auditorium, Øster Voldgade 5 - 7, 1350 København K, Denmark |

Convener: Francesco Valentino

Crystalline silicates in external galaxies

Speaker

Ciska Kemper

Probing the Size Distribution of PAHs in Reflection Nebulae

Speaker

Mr Collin Knight

Distributions of metallicity and gas-to-dust ratio in the Magellanic system

Speaker

Kengo Tachihara

Effect of dust porosity on scattered light images of protoplanetary disks

Speaker

Ryo Tazaki

Constraining the presence of large dust grains in post-AGB disc systems using FIR and sub-mm photometry

Speaker

Peter Scicluna

Observability of Dusty Debris Disks around M-stars

Speaker

Patricia Luppe

Spatially resolved carbonaceous dust infrared emission in proto-planetary disks around Herbig Ae/Be stars

Speaker

Thomas Boutéraon

Dust production in the Solar Neighborhood

Speaker

Ciska Kemper

Modelling dust in the Nearby Evolved Star Survey (NESS) targets

Speaker

Dr Sundar Srinivasan

Co-accretion of carbon molecules and silicate precursors at cryogenic temperatures

Speaker

Dr Gaël Rouillé

Attempt to catch the C/O transition in dust formation in cold plasma experiments**Speaker**

Rémi Bérard

The 30 micron sources in galaxies with different metallicities**Speaker**

Mr Marcin Gladkowski

Studying the Amorphous Material Physics of the Cosmic Dust Grains by Fitting the Observed Intensity and Polarization SEDs in Millimeter, Submillimeter and Far-infrared Wavebands**Speaker**

Masashi Nashimoto

Whipping IC63/IC59**Speaker**

Prof. Els Peeters

Carbon, sulfur and rare elements in the interstellar dust: an X-ray view**Speaker**

Elisa Costantini

High-temperature infrared spectroscopy of large aromatic molecules**Speaker**

Dr Shubhadip CHAKRABORTY

Investigating the interstellar dust through the Fe K-edge**Speaker**

Daniele Rogantini

The evolution of dust formation in SN2005ip from optical line profile models**Speaker**

Antonia Bevan

The AGN torus as a dynamical dusty wind**Speaker**

David Williamson

Steep extinction curves in GRBs and quasars**Speaker**

Mr Kasper Heintz

14:45

Thursday 14 June

10:20

Poster Presentations: Poster Presentations

Poster Session |

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Convener: Francesco Valentino

PDRs with JWST: Probes of dust formation and evolution

Speaker

Karl Misselt

Probing the solar accretion disk using the properties of dust filtering at gaps in the early Solar System

Speaker

Troels Haugbølle

The Benchmark Dust Mass Function of the Nearby Universe

Speaker

Rosie Beeston

ALMA's View of Dust in SN 1987A

Speaker

Dr Phil Cigan

Mineralogical Studies of Silicate Stardust in the Laboratory

Speaker

Lindsay Keller

Near- and Mid-Infrared Interstellar Dust Extinction Observations

Speaker

Dr Karl Gordon

Aliphatic Features in Mid-Infrared Polycyclic Aromatic Hydrocarbon Spectra

Speaker

Prof. Els Peeters

Revealing the dust grain sizes in the envelope of Per-emb-50

Speaker

Carolina Agurto

Comparison of the extraplanar H and UV emissions in the halos of nearby edge-on spiral galaxies

Speaker

Young-Soo Jo

High-resolution, 3D radiative transfer modeling of barred galaxies M83 and NGC1365

Speaker

Mr Angelos Nersesian

Temperature programmed desorption of water ice mixed with amorphous carbon and silicate grains

Speaker

Alexey Potapov

Evidence of pyroxene magic nanoclusters in protoplanetary disks around Herbig Ae stars from first principles calculations

Speaker

Prof. Stefan Bromley

From grain growth to astromineralogy: Studying dust with X-ray imaging and spectroscopy

Speaker

Lia Corrales

Spectroscopic Characterization of Interstellar Ice Analogues

Speaker

Birgitta Mueller

10:40

12:20

Poster Presentations: Poster Presentations

Poster Session |

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Convener: Francesco Valentino

PAHs trace the molecular gas in star-forming galaxies

Speaker

Isabella Cortzen

Realistic modelling of nano-aggregated magnesium silicate dust particles using atomistic simulations.

Speaker

Mr Antoni Macià

The JWST-ERS program ID 1288: Radiative Feedback from Massive Stars as Traced by Multiband Imaging and Spectroscopic Mosaics

Speaker

Prof. Els Peeters

Polycyclic Aromatic Hydrocarbon fraction at ~10 pc scale in the Magellanic Clouds

Speaker

Jeremy Chastenet

Investigation of the hydrogenation of pentacene

Speaker

Rijutha Jaganathan

Interstellar Catalysis of Molecular Hydrogen through Superhydrogenation of Polycyclic Aromatic Hydrocarbons

Speaker

Mr Frederik Doktor S. Simonsen

Superhydrogenation of PAHs through interaction with hydrogenated grain surfaces

12:27

Speaker
John Thrower