GEORGIOS E. MAGDIS

Associate Professor - Cosmic DAWN Center
Niels Bohr Institute / University of Copenhagen (NBI/KU)
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RESEARCH PROFILE

I am an Associate Professor of extragalactic astrophysics and co-founder of the Cosmic DAWN Center (DAWN) at the Niels Bohr Institute/University of Copenhagen (NBI/KU) and the Danish Space Institute/Technical University of Denmark (DTU-Space). I am leading the ISM/galaxy-evolution group at DAWN (3 MSc, 3 PhD and 1 post-Doc) funded by my research grant *"Gas to stars - Stars to Dust; Exploring the Star Formation Activity Through Cosmic Time"* (€950k). I focus on the study of galaxies across cosmic time aiming to shed light on their formation, their growth, and the evolution of their interstellar medium. For my research I use space and ground-based deep multi-wavelength cosmological surveys with an emphasis on infrared/submm/radio observations. As of 2019 I am also co-ordinating the high redshift science case for the SPICA space telescope and I am a member of the Euclid "Primeval Universe Working Group".

EDUCATION

University of Oxford, UK *2010*
DPhil in Astrophysics
University of Crete, GR *September 2005*
MSc in Astrophysics
University of Crete, GR *September 2003*
BSc in Physics

ACADEMIC POSITIONS

Cosmic Dawn Center, DTU-Space and NBI/KU, DK *2018 - present*
Associate Professor - Co-founder
Dark Cosmology Center, NBI/KU, DK *November 2015 - April 2018*
Assistant Professor - Carlsberg Fellow
University of Oxford, UK *April 2012 - November 2015*
Post-doctoral Researcher
Service d'Astrophysique, CEA, Saclay, FR *November 2009 - April 2012*
Post-doctoral Researcher

GRANTS/FUNDING

Centers of Excellence, DNRF €8.5million (co-founder/core member) *2018 - 2024*
Cosmic Dawn Center of Excellence
Young Investigator Program, Villum Foundation, €950k (PI) *2016 - 2021*
Gas to stars - Stars to Dust; Exploring the star formation activity through cosmic time
DARK/Carlsberg Independent Research Fellowship €350k (PI) *2015 - 2018*
THALES Programme, €521k (co-I) *2012 - 2015*
The invisible side of formation and evolution of supermassive Black Holes in the Universe
Astrophysical Data Analysis Program, NASA, $116k (co-I) *2012*
Extreme silicate absorbers in WISE

PUBLICATIONS

136 (69 since 2014) peer reviewed publications in high profile journals (3 in Nature), 14 as a first author. **Citations: $\sim$ 12500** (9500), **h-index: 58** (50) - **Google Scholar** (NASA/ADS).

SUPERVISION

Master Students (7) (2 ongoing)
S. Ponchida , A. Anastasiou, E. Paspaliaris, Cecilie Sand Norholm, C. Sand Norholm, I. Cortzen, M. Papathanasiou
PhD Students (4) (3 ongoing)
V. Kokorev, I. Cortzen, S. Manning (co), C. Gomez Guijarro (co)
Post-Docs (3) (1 ongoing)
F. Valentino, I., L. Ciesla (co), N. Lee (co)

TELESCOPE TIME ALLOCATION

In total for my research I have been awarded >1500hours (as PI or co-I) of observing time in the most competitive ground-based and space telescopes (including ALMA, NOEMA, IRAM 30m telescope, APEX, Herschel, Spitzer, HST, VLT and Keck).

MAIN INTERNATIONAL COLLABORATIONS AND PROJECTS

Major International Collaborations
University of Oxford (UK)∗ Caltech (USA)∗ Center for Astrophysics (CfA/Harvard, USA) ∗ CEA/Sacley (Paris, France) ∗ Max Plank Institute for Extra-terrestrial Physics (MPE, Germany) ∗ National Optical Astronomy Observatory (NOAO, USA)∗ ESO (Germany)
Major International Projects/Teams
ALCS ∗ REQUIEM∗ BUFFALO ∗ PEP ∗ GOODS ∗ GOODS-Herschel ∗ GOODS-ALMA ∗ HerMES ∗ CLS ∗ KROSS ∗ COSMOS∗ Candels-Herschel ∗ Cosmic Dawn Survey ∗ SPICA ∗ Euclid

INTERNATIONAL RECOGNITION AND AWARDS - SELECTED

Enhanced Eurotalents, *Proposal Reviewer* *2017*
NASA Astrophysical Data Analysis Program, *Selection Committee* *2017*
ESO, *Time Allocation Committee* *2017-2018*
ERC Starting Grant, *Proposal Referee* *2016*
Royal Astronomical Society Group Achievement Award *2014*
32 Invited/Contributed Talks / 7 Colloquia *2010 - present*

PRESS RELEASES AND OUTREACH - SELECTED

Press release by NBI/DTU *2019*
Giant galaxy is almost as old as the Universe itself
Maxwell Lecture Series, King's College, UK *2017*
Talk: The History of the Universe; A story narrated by photons
Work experience placement in astrophysics at the University of Oxford *2012 - 2015*
Oxford Stargazing, BBC live stargazing *2014*
Oxford University Science Blog *2014*
Galactic star baby boom ended five billion years ago.
Press release by the Royal Astronomical Society *2012*
GOODS-Herschel reveals gas mass role in creating fireworks versus beacons of star formation
Astronomy & Astrophysics Highlights *2011*
Herschel Reveals a new population of star forming Galaxies
Press release by the European Space Agency *2011*
Herschel paints a new story of galaxy evolution