

# Conference

# Program

## Sunday

11 June 2017

6:30 pm to 8:00 pm

Welcome Reception in Atrium, Exploratory Hall

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## Monday

12 June 2017

9:00 am Introduction and Welcome

9:10 - 9:50 Opening Review: Dave Alexander

*Session I: How do elusive AGNs impact our understanding of SMBH 'seed' models? Theoretical Perspective*

Chair: Sylvain Veilleux

9:50 - 10:30 **Invited Talk: Priya Natarajan**

10:30 - 11:00 Coffee break

11:00 - 11:30 Fabio Pacucci: Detecting Elusive Black Holes in the JWST Era

11:30 - 12:00 Colin DeGraf: Supermassive Black Hole Seeds in Cosmological Simulations

12:00 - 12:30 Massimo Ricotti: Radiation-hydrodynamic Simulations of Obscured AGN: a Striking Correlation Between the Spectral Shape of Dust Thermal Emission and the Black Hole Eddington Ratio

12:30 - 1:50 Lunch

***Session II: How do elusive AGNs impact our understanding of SMBH 'seed' models? Observational Perspective***

Chair: Torsten Böker

1:50 - 2:30 **Invited Talk: Amy Reines**

2:30 - 3:00 Vivienne Baldassare: Properties of Active Galactic Nuclei in Dwarf Galaxies

3:00 - 3:30 Chien-Ting Chen: Hard X-Ray-selected AGNs in Low-mass Galaxies

3:30 - 4:00 Jonathan Trump: The (Elusive) Fossil Record of Black Hole Seeds

4:00 - 4:30 Coffee break

4:30 - 5:00 Ivan Katkov: Intermediate Mass Black Holes Manifested as Low-Luminosity Active Galactic Nuclei

5:00 - 5:30 Poster flash talks

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**Tuesday**

**13 June 2017**

***Session I: What fraction of SMBH growth is currently being missed and what impact does this have?***

Chair: Gabriela Canalizo

9:00 - 9:40 **Invited Talk: Claudio Ricci**

9:40 - 10:10 Ryan Hickox: Uncovering the Full Population of Elusive Growing Black Holes with X-ray and Multiwavelength Surveys

10:10 - 10:40 Kevin Schawinski: A Universal Model for the AGN Phenomenon

10:40 - 11:10 Coffee break

11:10 - 11:40 Nancy Levenson: Hiding in Plain Sight: AGN Echoes of Low-Redshift Lyman Alpha Blobs

11:40 - 12:10 James Aird: Characterizing Black Hole Growth Across the Galaxy Population Using Deep X-ray Data

12:10 - 12:50 Joanna Kuraszekiewicz: Obscuration/orientation Effects in the Chandra Observed Sample of Medium-Redshift ( $0.5 < z < 1$ ) 3CRR Sources

12:50 - 2:00 Lunch

*Session II: What physical properties influence AGN detectability and what are the best techniques to find them?*

Chair: Kevin Schawinski

2:00 - 2:40 **Invited Talk: Moshe Elitzur**

2:40 - 3:10 Mackenzie Jones: Is Black Hole Growth a Universal Process? Exploring Selection Effects in Measurements of Eddington Ratios and Host Galaxies of AGN

3:10 - 3:40 Ingyin Zaw: Dependence of Optical AGN Identification on Stellar Population Models and Spectral Quality

3:40 - 4:10 Coffee break

4:10 - 4:40 Christopher Carroll: Unveiling the Elusive AGNs in Millions of SDSS and WISE Galaxies

4:40 - 5:10 Lauranne Lanz: The Elusive Nature of the AGN in NGC 1266

5:10-5:40 Kohei Ichikawa: The Complete IR View of Swift/BAT 70 Month AGN Catalog

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6:30-8:00 **Conference Dinner: Johnson Center Bistro**

**Wednesday  
14 June 2017**

*Session I Elusive AGNs at high redshift? / Prospects for Future Facilities*

Chair: Vivienne Baldassare

9:00 - 9:40 **Invited Talk: Benny Trakhtenbrot**

- 9:40 - 10:10 Rachael Alexandroff : Obscured and Reddened Quasars at the Peak of Galaxy Formation
- 10:10 - 10:40 Mike DiPompeo: Obscured Quasars in the Cosmic Web: Dark Matter Halos and Unification Models
- 10:40 - 11:00 Coffee break
- 11:00 - 11:40 **Invited Talk: Gordon Richards**
- 11:40 - 12:10 Fabio Vito: The High-Redshift ( $z>3$ ) AGN Population in the Deepest Chandra Fields
- 12:10 - 12:40 Ivan Delvecchio: The Deepest Radio View of AGN in the COSMOS Field: a Two-fold Population
- 12:40 - 2:00 Lunch

*Session II: Elusive AGNs and the role of Mergers*

Chair: Claudio Ricci

- 2:00 - 2:30 Dave Sanders: MBH Growth in Gas-Rich Galaxy Mergers
- 2:30 - 3:00 Sara Ellison: Elusive Dual AGN, Revealed by WISE
- 3:00 - 3:30 Anca Constantin: Near-IR Explorations of Buried AGN in Advanced Mergers
- 3:30 - 4:00 Coffee break
- 4:00 - 4:30 Andy Goulding: The Triggering of  $z\sim 1$  Obscured AGN in Merging Systems
- 4:30 - 5:10 **Invited Talk: Laura Blecha**
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**Thursday**  
**15 June 2017**

*Session I Finding Elusive AGNs: Infrared and Millimeter Studies*

Chair: Ingyin Zaw

- 9:00 - 9:40**      **Invited Talk: Almudena Alonso-Herrero**
- 9:40 - 10:10**      **Isabelle Lamperti: Near-infrared Spectroscopy of Nearby Hard X-ray Selected AGN**
- 10:10 - 10:40**      **Gabriela Canalizo: A Near-Infrared Perspective on Disentangling AGN from Shocks and Uncovering Other Elusive AGN**
- 10:40 - 11:00**      **Coffee break**
- 11:00 - 11:30**      **Masatoshi Imanishi: ALMA Molecular Line Observations as a Tool to Scrutinize Elusive Deeply Buried AGNs in Luminous Infrared Galaxies**
- 11:30 - 12:00**      **Takuma Izumi: Mm/submm Energy Diagnostics in the ALMA Era**
- 12:00 - 12:10**      **Coffee break**
- 12:10 – 12:50**      **Conference Review: Dave Rosario**
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