**19th Annual International Conference on Gravitational Microlensing - Science Agenda**

**Monday, 19th January 2015**

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| **09:00** | **Richard K. Barry** | **Welcome and Logistics** |

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|  | **Spaceborne Microlensing** | **Chair: Scott Gaudi** |

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| **09:10-09:30** |  | **Spitzer Parallax Measurement of OGLE2014BLG0939, Yee J. C.** |
| **09:30-09:50** |  | **Microlens Parallaxes with Spitzer Calchi, Novati S.** |
| **9:50-10:10** |  | **Spitzer as Microlens Parallax Satellite: Mass and Distance**  **Measurements for Binary System OGLE2014BLG1050L, Zhu W.** |
| **10:10-10:30** |  | **Extrasolar planet searches with the EUCLID space mission, Beaulieu J. P.** |
| **10:30-10:50** | **Coffee Break** |  |
| **10:50-11:10** |  | **Non-Microlensing Applications of WFIRST Microlensing Data, Gould A.** |

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|  | **Spaceborne Microlensing** | **Chair: Markus Hundertmark** |

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| **11:10-11:30** |  | **The benefits of high frame rate photometry, Hundertmark M. P. G.** |
| **11:30-11:50** |  | **Developing the Microlensing Exoplanet Mass Measurement Method with Space Based Observations, Bhattacharya A.** |
| **11:50-12:10** |  | **The WFIRST Mission Concept, N. Gehrels** |
| **12:10-14:00** | **Lunch** |  |

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|  | **Advances in Crowded-Field Photometry** | **Chair: Taka Sumi** |

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| **14:00-14:20** |  | **Refining Microlensing Models with High Resolution Observations, Batista V.** |
| **14:20-14:40** |  | **A Public DECam Survey to Enable Free-Floating**  **Planet Mass Measurements with the Kepler K2 Microlensing Survey,**  **Penny M. T.** |
| **14:40-15:00** |  | **The K2 Microlensing Experiment**  **Tom Barclay, NASA Ames Research Center** |
| **15:00-16:00** | **Discussion** | **The K2 Mission – an open forum** |

**Tuesday, 20th January 2015**

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| **09:00** | **Richard K. Barry** | **Logistics** |

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|  | **New Microlensing Discoveries** | **Chair: Matthew Penny** |

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| **09:15-09:35** |  | **Microlensing planets in wide orbits a few interesting cases, Poleski R.** |
| **09:35-09:55** |  | **MOA2010BLG117:**  **A Planetary Microlensing Event with a Binary Source Star System, Bennett D. P.** |
| **09:55-10:15** |  | **Accurate Mass Determination of the Nearby Old White Dwarf Stein 2051B through Astrometric Microlensing, Sahu K. C.** |
| **10:15-10:35** |  | **MOA2013BLG605Lb: The Neptune analog, Sumi T.** |
| **10:35-11:00** | **Coffee break** |  |
| **11:00-11:10** |  | **A New Luminosity Function for Stars in the Galactic Bulge, N. Anderson** |
| **11:10-11:30** |  | **A Planet Frequency with Mass Ratio, Separation and Event Time, Suzuki D.** |
| **11:30-11:50** |  | **Microlensing Event Detection at the George Mason University Observatory, Pfeifle R. W.** |
| **11:50-12:10** |  | **First season of the LCOGT Microlensing Key Project , R. Street** |
| **12:10-13:30** | **Lunch** |  |

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|  | **Microlensing Theory** | **Chair: Rachel Street** |

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| **13:30-13:50** |  | **Synthesizing Results from Multiple Exoplanet Detection**  **Techniques: The Demographics of Planets Orbiting M Dwarfs, Clanton C. D.** |
| **13:50-14:10** |  | **Gravitational Binary Lens Events with Prominent Effects of Lens Orbital Motion, Park H.** |
| **14:10-14:30** |  | **OGLE2013BLG0102LA, B: Microlensing binary with components at star/brown dwarf and brown dwarf/planet boundaries, Jung Y. K.** |
| **14:30-14:50** |  | **Does the primary lens of microlensing event OGLE2013BLG0446 host a rocky planet?, Bachelet E.** |
| **14:50-15:15** | **Coffee Break** |  |
| **15:15-15:35** |  | **RTModel: automatic fast real time modeling of microlensing events, Bozza V.** |
| **15:35-15:55** |  | **Estimating orbital period of exoplanets in microlensing events, Giordano M.** |
| **15:55-16:15** |  | **Building a toolkit for Bayesian analysis of WFIRST microlensing capability, John Baker, NASA/GSFC** |
| **16:15-17:30** |  | **Splinter Sessions** |
| **17:30** |  | **End of Session** |

**Wednesday, 21st January 2015**

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| **09:00** | **Richard K. Barry** | **Logistics** |
| **09:15-09:35** | **1027** | **The NASA Exoplanet Exploration Program, Unwin S. C.** |

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|  | **Microlensing Theory** | **Chair: Etienne Bachelet** |

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| **09:35-09:55** | **1009** | **Stellar spot features in microlensing events, Giordano M.** |
| **09:55-10:15** |  | **Searching for Transient Dimming Events in Microlensing Data Sets, Dr Nicholas James Rattenbury** |
| **10:15-10:35** | **1013** | **Prospects for Characterizing Host Stars of the Planetary System**  **Detections Predicted for KMTNet, Henderson C. B.** |
| **10:35-11:00** | **Coffee Break** |  |
| **11:00-11:20** | **1028** | **OGLE2013BLG1394: the analysis of an ambiguous perturbation, D'Ago G.** |

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|  | **Microlensing Theory** | **Chair: Jan Skowron** |

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| **11:20-11:40** | **1032** | **Swallowtails and Butterflies in Triple Lens Systems, Danek K.** |
| **11:40-12:00** | **1035** | **First Quantitative Limits in Quasars' Xray Emitting Regions Using**  **Microlensing, Mosquera A. M.** |
| **12:00-14:00** | **Lunch** |  |

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|  | **Data Challenges** | **Chair: Arnaud Cassan** |

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| **14:00 – 14:20** | **1002** | **PAndromeda Lee C.H.** |
| **14:20-14:40** | **1016** | **Realtime data and prompt reaction – How it can make a difference,**  **Dominik M.** |
| **14:40-15:00** | **1025** | **The MOA Realtime**  **Analysis and Alert Notification System: Past,**  **Present, and Future, Bond I. A.** |
| **15:00-15:20** | **1030** | **Upgrade of the Mt John B&C 61 cm telescope Abe F.** |
| **15:20-15:40** |  | **Data Archiving, R. Street and J. Yee** |
| **15:40-17:00** | **Open Discussion** | **Data Archiving** |

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| **17:00** | **End of Meeting** |  |

**Thursday, 22nd January 2015**

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| **11:00-17:30** | **Excursion** |  |