Microlensing 23 Schedule (2018 December 17 version; invited talks in **bold**)

Monday, January 28

(Chair: TBD) Ground-based Project Updates

9:00-9:10am Welcome – David Bennett (GSFC)
9:10-9:25am Jan Skowron (Warsaw) – "OGLE in 2018 and 2019"
9:25-9:40am Takahiro Sumi (Osaka) – "PRIME"
9:40-9:55am Andy Gould (MPIA/KASI) – "Upgrades for KMTNet Alerts, Event-Finder, and Data Policy"
9:55-10:10am Yiannis Tsapras (Heidelberg) – "The ROME/REA LCO Key Project update"
10:10-10:25am Andrew Cole (Tasmania) – "The 2018 Microlensing Season at UTAS Greenhill Observatory"

10:25-10:55am Coffee Break

(Chair: TBD) WFIRST

10:55-11:35am Jeff Kruk (GSFC) – "WFIRST Update"
11:35-11:50am Samson Johnson (OSU) – "The WFIRST microlensing survey: mission updates and predictions of the free-floating planet yield"
11:50-12:05am Rachel Akeson (IPAC) – "Community data products for the WIFRST Microlensing Survey"
12:05-12:20am Somayeh Khakpash (Lehigh) – "WFIRST: A Simple Approach for the Recovery of Planetary Parameters From Microlensing Light Curves"

12:20-1:30pm Lunch Break

(chair: TBD) Planet Formation Theory & Miscellaneous

1:30-1:45pm Geoff Bryden (IPAC) – "Facing the Challenge of WFIRST: Machine Learning for Lightcurve Classification"
1:45-2:25pm Ruth Murray-Clay (UCSC) – "Planetary System Architectures as Probes of Planet Formation"
2:25-2:40pm Renata Frelikh (UCSC)– "Effects of a phase of planet-planet impacts on the population of outer giant exoplanets"
2:40-2:55pm Wei Zhu (CITA) – "A pair of planets likely in mean motion resonance from gravitational microlensing"
2:55-3:10pm Przemek Mróz (Warsaw) – "Microlensing maps of the Galactic bulge and disk from OGLE-IV"

3:10-3:40pm Coffee Break

(chair: TBD) Microlensing Parallax

3:40-4:00pm Yossi Shvartzvald (IPAC) – "The Galactic Distribution of Planets via Spitzer Microlensing Campaigns"
4:00-4:15pm Naoki Koshimoto (Tokyo) – "Evidence of systematic errors in Spitzer 2015 parallax measurements"
4:15-4:30pm Sebastiano Calchi Novati (IPAC) – "Spitzer Opens New Path to Break Classic Degeneracy for Jupiter-mass Microlensing Planet OGLE-2017-BLG-1140Lb"

4:30-4:45pm Amber Malpas (Canterbury) – "The detection of two very low mass brown-dwarf binary systems with KMT/OGLE/Spitzer"
4:45-5:00pm Radek Poleski (OSU) – "K2 Campaign 9 data analysis and planetary event OGLE-2016-BLG-0241"
5:00-5:15pm Yutong Shan (Harvard) – "Characterizing Free-Floating Planet Candidates from K2C9"
5:15-5:30pm Matthew Penny (OSU) – "Microlensing Parallax Observations with CFHT: 2016, 2018, and beyond"
5:30-5:45pm Martin Dominik (St. Andrews) – "Where are the binary source gravitational microlensing events?"

Tuesday, January 29

(chair: TBD) Gaia and Stellar Remnant Black Holes

9:00-9:40am Alessandro Sozzetti (INAF) – "Gaia astrometry and exoplanets (in crowded fields too)"
9:40-9:55am Katarzyna Kruszynska (Warsaw)– "Highlights from Gaia microlensing survey of the Galactic Plane"
9:55-10:10am Kris Rybicki (Warsaw) – "Astrometric microlensing in the era of Gaia and WFIRST"
10:10-10:25am Lukasz Wyrzykowski (Warsaw)– "Mass-gap black holes from OGLE and Gaia"
10:25-10:40pm Fatima Abdurrahman (UC, Berkeley) – "Late-time high-resolution images of the black hole candidate microlensing events MACHO-96-BLG-5 and MACHO-98-BLG-6"

10:40-11:10am Coffee Break

(Chair: TBD) Astrometric Microlensing

11:10-11:25am Alice Zurlo (Univ. Diego Portales) – "Measuring the mass of Proxima Centauri from a microlensing event"
11:25-11:40am Kailash Sahu (STScI) – "Astrometric Microlensing with HST"
11:40-11:55am Jessica Lu (UC, Berkeley) – "Finding Stellar Mass Black Holes with Astrometric Microlensing"
11:55-12:10pm Casey Lam (UC, Berkeley) – "PopSyCLE (Population Synthesis for Compact object Lensing Events)"
12:10-12:25pm Nathan Golovich (LLNL) – "MACHO Re-Analysis Results"

12:30-1:45pm Lunch Break

(Chair: TBD) High Angular Resolution Follow-up and Black Holes

1:45-2:05pm Aparna Bhattacharya (GSFC) – "First Results from Our NASA Keck Key Strategic Mission Support Program"
2:05-2:20pm Calen Henderson – "Using Keck to explore microlensing degeneracies: The case of OGLE-2015-BLG-0966"
2:20-2:35pm Josh Blackman (Tasmania) – "Adaptive Optics follow-up of a super-Earth (OGLE-2017-BLG-1434) and a giant planet (MOA-2010-BLG-477)"

2:35-2:50pm Fumio Abe (Nagoya) – "Massive black hole search by MOA"
2:50-3:05pm Hiroko Niikura (Tokyo) – "New constraint on PBH abundance from microlensing observation of M31with HSC"
3:05-3:20pm William Dawson (LLNL) – "Strong and Weak Microlensing in the 2020's"

3:20-3:50pm Coffee Break

(Chair: TBD) Analysis of microlensing events
3:50-4:05pm Dasiuke Suzuki (ISAS/JAXA) – "MOA-2018-BLG-199/KMT-2018-BLG-0359Lb: A super-Jupiter around an M-dwarf host"
4:05-4:20pm Iona Kondo (Osaka) – "Analysis of the short timescale planetary event MOA-bin-29"
4:20-4:35pm Shun-Sheng Li (NAOC) – "The application of asteroseismology and Gaussian processes to microlensing analysis"
4:35-4:50pm Yuki Hirao (GSFC/Osaka) – "Unpublished binary and planetary events from MOA 9 year analysis"
4:50-5:05pm Akihiko Fukui (Tokyo) – "Detailed Analysis of the Kojima Event: Anti-GB Planetary Event with the Brightest Host Star"
5:05-5:20pm Fran Bartolić (St. Andrews) – "Gaussian process models of correlated noise in microlensing lightcurves"

6pm-ish Reception with snacks and drinks

Wednesday, January 30

(chair: TBD) Talks relevant to Hack Session
9:00-9:15am Rachel Street (LCO) – "Results of the first Microlensing Data Challenge"
9:15-9:30am Etienne Bachelet (LCO) – "3 years of pyLIMA : status, presentation of results and future"
9:30-9:45am Markus Hundertmark (Heidelberg) – "Planet detection and characterization with pyLIMA"
9:45-10:25am Dan Foreman-Mackey (CCA) – "Using methods from machine learning and statistics as tools for data analysis in astronomy"

10:25-10:55am Coffee Break

(Chair: TBD) Talks relevant to Hack Session (continued)
10:55-11:10am Valerio Bozza (Salerno) – "Multiple lensing with contour integration"
11:10-11:25am Clement Ranc (GSFC) – "OGLE-2006-BLG-332: First New Planetary Event from the 9-year Retrospective Analysis of MOA survey"
11:25-11:40am In-gu Shin (Harvard/CfA) – "Degeneracies in Discoveries of Microlensing Planet Candidates by the KMTNet Survey in 2017"
11:40-12:20pm Eric Ford (Penn State) – "Strategies for exploring parameter space for planetary microlensing events: Lessons from the RV and TTV community"

12:20-1:40pm Lunch Break