Microlensing 23 Schedule (invited talks in **bold**)

Monday, January 28

(Chair: Naoki Koshimoto) 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: Etienne Bachelet) Ground-based Projects, WFIRST

10:55-11:10am Przemek Mróz (Warsaw) – "Microlensing maps of the Galactic bulge and disk from OGLE-IV"
11:10-11:25am Samson Johnson (OSU) – "The WFIRST microlensing survey: mission updates and predictions of the free-floating planet yield"
11:25-11:40am Rachel Akeson (IPAC) – "Community data products for the WIFRST Microlensing Survey"
11:40-11:55am Somayeh Khakpash (Lehigh) – "WFIRST: A Simple Approach for the Recovery of Planetary Parameters From Microlensing Light Curves"
11:55-12:00pm Martin Dominik (St. Andrews) – "Where are the binary source gravitational microlensing events?"

12:10-1:20pm Lunch Break

(chair: Aparna Bhattacharya) Planet Formation Theory & Miscellaneous

1:20-1:35pm Geoff Bryden (IPAC) – "Facing the Challenge of WFIRST: Machine Learning for Lightcurve Classification"
1:35-2:10pm Ruth Murray-Clay (UCSC) – "Planetary System Architectures as Probes of Planet Formation"
2:10-2:25pm Ruth Murry-Clay for Renata Frelikh (UCSC)– "Effects of a phase of planet-planet impacts on the population of outer giant exoplanets"
2:25-2:45pm Judit Szulágyi (Zurich) – "Formation of Intermediate Mass Giant Planets through Circumplanetary Disk Accretion"
2:45-3:00pm Wei Zhu (CITA) – "A pair of planets likely in mean motion resonance from gravitational microlensing"
3:00-3:15pm Yossi Shvartzvald (IPAC) – "The Galactic Distribution of Planets via Spitzer Microlensing Campaigns"

3:15-3:45pm Coffee Break

(chair: David Nataf) Microlensing Parallax

3:45-4:00pm Naoki Koshimoto (Tokyo) – "Evidence of systematic errors in Spitzer 2015 parallax measurements"
4:00-4:15pm Sebastiano Calchi Novati (IPAC) – "Spitzer Opens New Path to Break Classic Degeneracy for Jupiter-mass Microlensing Planet OGLE-2017-BLG-1140Lb"
4:15-4:30pm Amber Malpas (Canterbury) – "The detection of two very low mass brown-dwarf binary systems with KMT/OGLE/Spitzer"
4:30-4:45pm Radek Poleski (OSU) – "K2 Campaign 9 data analysis and planetary event OGLE-2016-BLG-0241"
4:45-5:00pm Yutong Shan (Harvard) – "Characterizing Free-Floating Planet Candidates from K2C9"
5:00-5:15pm Matthew Penny (OSU) – "Microlensing Parallax Observations with CFHT: 2016, 2018, and beyond"
5:15-5:30pm Weicheng Zang (Tsinghua) – "LCO follow-up for Spitzer and KMTNet events"

Tuesday, January 29

(chair: Rachel Akeson) Gaia and Stellar Remnant Black Holes
9:00-9:20am David Spergel (CCA/Princeton) "Welcome; WFIRST Update"
9:20-9:55am Alessandro Sozzetti (INAF) – "Gaia astrometry and exoplanets (in crowded fields too)"
9:55-10:10am Katarzyna Kruszynska (Warsaw)– "Highlights from Gaia microlensing survey of the Galactic Plane"
10:10-10:25am Kris Rybicki (Warsaw) – "Astrometric microlensing in the era of Gaia and WFIRST"

10:25-10:55am Coffee Break

(Chair: Wei Zhu) Black holes and Astrometric Microlensing
10:55-11:10am Lukasz Wyrzykowski (Warsaw)– "Mass-gap black holes from OGLE and Gaia"
11:10-10:25am 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"
11:25-11:40am Alice Zurlo (Univ. Diego Portales) – "Measuring the mass of Proxima Centauri from a microlensing event"
11:40-11:55am Kailash Sahu (STScI) – "Astrometric Microlensing with HST"
11:55-12:10pm Jessica Lu (UC, Berkeley) – "Finding Stellar Mass Black Holes with Astrometric Microlensing"
12:10-12:25pm Casey Lam (UC, Berkeley) – "PopSyCLE (Population Synthesis for Compact object Lensing Events)"

12:25-1:35pm Lunch Break

(Chair: Sean Carey) High Angular Resolution Follow-up and Black Holes
1:35-1:50pm Nathan Golovich (LLNL) – "MACHO Re-Analysis Results"

1:50-2:10pm Aparna Bhattacharya (GSFC) – "First Results from Our NASA Keck Key Strategic Mission Support Program"
2:10-2:25pm Calen Henderson – "Using Keck to explore microlensing degeneracies: The case of OGLE-2015-BLG-0966"
2:25-2:40pm Josh Blackman (Tasmania) – "Adaptive Optics follow-up of a super-Earth (OGLE-2017-BLG-1434) and a giant planet (MOA-2010-BLG-477)"
2:40-2:55pm Fumio Abe (Nagoya) – "Massive black hole search by MOA"
2:55-3:10pm Hiroko Niikura (Tokyo) – "New constraint on PBH abundance from microlensing observation of M31with HSC"
3:10-3:25pm Nathan Golovich for William Dawson (LLNL) – "Strong and Weak Microlensing in the 2020's"

3:25-3:55pm Coffee Break

(Chair: Jan Skowron) Analysis of microlensing events
3:55-4:30pm Eric Ford (Penn State) – "Strategies for exploring parameter space for planetary microlensing events: Lessons from the RV and TTV community"
4:30-4:45pm Dasiuke Suzuki (ISAS/JAXA) – "MOA-2018-BLG-199/KMT-2018-BLG-0359Lb: A super-Jupiter around an M-dwarf host"
4:45-5:00pm Iona Kondo (Osaka) – "Analysis of the short timescale planetary event MOA-bin-29"
5:00-5:15pm Shun-Sheng Li (NAOC) – "The application of asteroseismology and Gaussian processes to microlensing analysis"
5:15-5:30pm Akihiko Fukui (Tokyo) – "Detailed Analysis of the Kojima Event: Anti-GB Planetary Event with the Brightest Host Star"

5:45pm-ish Reception with snacks and drinks

Wednesday, January 30

(chair: Calen Henderson) 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"
9:45-10:20am Dan Foreman-Mackey (CCA) – "Using methods from machine learning and statistics as tools for data analysis in astronomy"

10:20-10:50am Coffee Break

(Chair: Radek Poleski) Talks relevant to Hack Session (continued)
10:50-11:05am Valerio Bozza (Salerno) – "Multiple lensing with contour integration"
11:05-11:20pm Fran Bartolić (St. Andrews) – "Gaussian process models of correlated noise in microlensing lightcurves"
11:20-11:35am Yuki Hirao (GSFC/Osaka) – "Unpublished binary and planetary events from MOA 9 year analysis"

11:35-11:50am	In-gu Shin (Harvard/CfA) – “Degeneracies in Discoveries of Microlensing Planet Candidates by the KMTNet Survey in 2017”
11:50-12:05pm	Clement Ranc (GSFC) or substitute – “OGLE-2006-BLG-332: First New Planetary Event from the 9-year Retrospective Analysis of MOA survey”
12:05-1:30pm	Lunch Break before Hack Session