### Breakout Session: Aerosol and Cloud Experiments in Eastern North Atlantic (ACE-ENA)

**Thursday, June 25th, 2020, 11:00 am -1:00 pm (EDT)**

Registration: [https://zoom.us/webinar/register/WN_fgOPdsVrR3SXHVA4OKVfaQ](https://zoom.us/webinar/register/WN_fgOPdsVrR3SXHVA4OKVfaQ)

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<tr>
<th>Time</th>
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<tr>
<td>11:00-11:01</td>
<td>Brief introduction and announcements</td>
<td>Jian Wang</td>
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<tr>
<td>11:01-12:38</td>
<td>Evaluating the E3SM and CESM simulations of aerosols and CCN with the ACE-ENA campaign and ARM ground-based observations</td>
<td>Xiaohong Liu</td>
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<td>Impact of Seasonal Variabilities and Synoptic Conditions on Vertical Profiles of Trace Gas and Aerosol Properties over the Eastern North Atlantic</td>
<td>Yang Wang</td>
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<td>11:15 presentations</td>
<td>Aerosol and gas chemistry in the Eastern North Atlantic during ACE-ENA</td>
<td>Maria A. Zawadowicz</td>
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<td>Condensational growth by organics produces cloud condensation nuclei over remote oceans</td>
<td>Guangjie Zheng</td>
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<td>11:22-12:22</td>
<td>Impact of Dry Intrusions on the Marine Boundary Layer</td>
<td>Shira Raveh-Rubin</td>
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<td>Impact of dry intrusion events on composition and mixing state of particles during ACE-ENA study</td>
<td>Alex Laskin</td>
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<td>Micro-spectroscopic examination of free troposphere and marine boundary layer ice nucleating particles during ACE-ENA</td>
<td>Daniel Knopf</td>
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<td>Impacts of Aitken-mode aerosols in large-eddy simulations of boundary layer clouds</td>
<td>Matt Wyant</td>
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<td>Seasonal contrasts in clouds and aerosols during ACE-ENA</td>
<td>Rob Wood</td>
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<td>MBL cloud and drizzle retrievals and their constraints on warm rain processes in GCM simulations.</td>
<td>Xiquan Dong</td>
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<td>In-cloud vertical air motion retrievals in warm clouds</td>
<td>Zeen Zhu</td>
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<td>Summertime Post-Cold-Frontal Marine Stratocumulus Transition Processes during ACE-ENA</td>
<td>Mark Miller</td>
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<td>12:38-12:40</td>
<td>Observations of marine stratocumulus microphysics, turbulence, and aerosols during ACE-ENA</td>
<td>Jaemin Yeom</td>
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<td>Vertical variation of turbulent entrainment mixing processes in marine stratocumulus clouds over ENA using digital holography.</td>
<td>Neel Desai</td>
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<td>Vertical Dependence of Horizontal Variation of Cloud Microphysics</td>
<td>Zhibo Zhang</td>
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<td>12:40-13:00</td>
<td>LASSO announcement</td>
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<td>Group discussion</td>
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<td>▪ Data needs</td>
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<td>▪ Future collaborations and potential publications</td>
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