ENGINEERING RESEARCH CENTER
PLANNING GRANT MARIAH PROJECT WORKSHOP

May 16-17, 2019 | Athens GA

Hosted by University of Georgia Phenomics and Plant Robotics Center.
Sponsored by UGA College of Engineering and Office of Research.
NSF Award # EEC 1920042 (MARIAH).

Registration: https://tinyurl.com/y3rcwbee

GOAL

Identify challenges, gaps, opportunities and priorities for novel, autonomous sensing and imaging platforms integrated with machine learning to identify genotypes and prescribe crop management to profitably and sustainably increase crop resilience and yield in intensifying stress.

MAY 16

CLASSIC CENTER
300 N Thomas St, Athens, GA 30601

9:00-noon  UGA Plant Center Symposium
            http://plantsymposium.uga.edu/

Noon-1:30  UGA MARIAH Workshop Attendees Facilitated Working Lunch
            Empire Room
            Speaker: Dr. Keith Roper
            • Status of MARIAH
            • Goals for workshop
            • Additional Panelist
            • Findings from prior surveys at previous workshops
            • Feedback from submitted proposals

            Note: Plant Center faculty members will meet at a separate luncheon.

1:30-5:00  UGA Plant Center Symposium 5:00

Social

6:30  Dinner and MARIAH participants brainstorm future collaboration opportunities
**MAY 17**

**COVERDELL CENTER AUDITORIUM, S175**
500 D. W. Brooks Drive, Athens, GA 30602

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30-8:00</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00</td>
<td>Introduction&lt;br&gt;Dr. Charlie Li, Director, UGA Phenomics and Plant Robotics Center</td>
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<td>8:05</td>
<td>Welcome Address&lt;br&gt;Dr. David Lee, UGA Vice President for Research</td>
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<td>8:15</td>
<td>Keynote&lt;br&gt;Dr. Parag Chitnis, Deputy Director, National Institute of Food and Agriculture, U.S. Department of Agriculture</td>
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<td>9:00</td>
<td>Welcome Address&lt;br&gt;Dr. Donald Leo, UGA Dean of College of Engineering&lt;br&gt;Dr. Allen Moore, UGA Associate Dean for Research of College of Agricultural and Environmental Sciences</td>
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<td>9:15-noon</td>
<td>Facilitated MARIAH Interactions:&lt;br&gt;Sarah Lichtner, Nexight LLC</td>
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<td>• 5-minute lightning presentations by faculty&lt;br&gt;• Identification of challenges, gaps, opportunities, priorities&lt;br&gt;• Research, education, &amp; industry&lt;br&gt;• <strong>Thrust I. From sensed data to type:</strong> link phenotype responses to intensifying variable environmental factors and resolve gene loci governing stress response&lt;br&gt;• <strong>Thrust II. From models to GEMS linkages:</strong> new tools to decipher GEMS interactions at plot- and field-scale to prescribe GxM for variable E to enable decision support systems to manage crops</td>
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<td>Noon-1:00</td>
<td>Working Lunch</td>
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<td>1:15-4:30</td>
<td>Facilitated MARIAH interactions:&lt;br&gt;Sarah Lichtner, Nexight LLC</td>
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<td>• 5-minute lightning presentations by faculty&lt;br&gt;• Identification of challenges, gaps, opportunities, priorities&lt;br&gt;• Research, education, &amp; industry&lt;br&gt;• <strong>Thrust III. Econometrics to Markets:</strong> decipher socioeconomic factors in GEMS interactions to empower a new agri-ecoengineering workforce with DSS and precision analytics&lt;br&gt;• <strong>Thrust IV. Engineering workforce development:</strong> novel approaches in curriculum and workforce development that support developing a diverse, inclusive, entrepreneurial culture of innovation</td>
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<td>5:00</td>
<td>Dinner and MARIAH participants brainstorm future collaboration opportunities</td>
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**SUGGESTED HOTELS**

- **Georgia Center** (close to Coverdell Center): [https://www.georgiacenter.uga.edu/](https://www.georgiacenter.uga.edu/)
- **Hilton Garden Inn** (close to Classic Center): 390 E Washington St, Athens, GA 30601
- **Hyatt Place Athens/Downtown** (close to Classic Center): 412 N Thomas St, Athens, GA 30601