### Monday, June 4
- **Check-in at Classroom** | Classroom (UF II E251)
- **Welcome and Orientation** | Classroom (UF II E251)
  - Mr. Elias G. Eldavie - Vice President and Chief Information Officer, UF
  - Dr. Erik Deumens - Director, UFIT Research Computing
- **Daily Overview, Logistics, Rules, & Ice Breakers** | Classroom (UF II E251)
  - Julia Aliello and Prathyusha Patta, Teaching Assistants
- **Computer Access and User Setup, Computer Lab** (CSE E231)
- **Lunch** | Domino's Pizza
- **Would You Jump? ... on the Uncertainty of Living and How Computers Can Help!** | Computer Lab (CSE E231)
  - Dr. Rafael Munoz-Carpena, Professor, Department of Agricultural & Biological Engineering
- **How Complex Biosystems Engineering Uses Computational Approaches in Difficult Environmental Problems** | Classroom
  - Dr. Rafael Munoz-Carpena, Professor, Department of Agricultural & Biological Engineering
  - Dr. Gregory Kiker, Associate Professor, Department of Agricultural & Biological Engineering

### Tuesday, June 5
- **Check-in and Daily Overview** | Classroom (UF II E251)
- **Biodiversity and the Tree of Life** | Classroom (UF II E251)
  - Dr. Doug Soltis, Distinguished Professor, Department of Biology
- **Computational English** | Classroom (UF II E251)
  - Dr. Sid Dobrin, Professor, Department of English
- **Python Programming Class** | Computer Lab (CSE E231)
- **Lunch** | Fresh Food Co.
- **Augmented Reality** | Marston Science Library (L136)
  - Shannon Butts, PhD Student, Department of English, TRACE
- **Interactive Design Using Arduino** | Computer Lab (CSE E231)
  - Emily Brooks, PhD Student, Department of English, TRACE

### Wednesday, June 6
- **Check-in and Daily Overview** | Classroom (UF II E251)
- **Machine Learning Applications in Acute Pain: Hubris and Humility** | Classroom (UF II E251)
  - Dr. Patrick Tighe, Associate Professor, Department of Anesthesiology
- **Genomic Studies of Infectious Diseases in the Era of “Big Data”** | Classroom (UF II E251)
  - Dr. Marco Salemi, Professor, Department of Pathology, Immunology, and Laboratory Medicine
- **Python Programming Class** | Computer Lab (CSE E231)
- **Lunch** | Fresh Food Co.
- **3D Printing Site Visit** | Marston Library
  - Dr. Sara Gonzalez, Assistant University Librarian
- **Digital Worlds Institute Site Visit** | Norman Gym
  - Dr. James Oliverio, Executive Director, Digital Worlds Institute

### Thursday, June 7
- **Check-in and Daily Overview** | Classroom (UF II E251)
- **Hospital 2.0 – Augmenting Experience for Everybody in the Loop** | Classroom (UF II E251)
  - Dr. Azra Hizarov, R. Glenn Davis Professor, Department of Medicine
- **Network Based Approaches for Measuring Connectivity in the Financial Sector** | Classroom (UF II E251)
  - Dr. George Michailidis, Founding Director of UF Informatics Institute and Professor of Statistics
- **Python Programming Class** | Computer Lab (CSE E231)
- **Lunch** | Panda Express
- **Emerging Pathogens Institute Site Visit**
  - Dr. Marco Salemi, Professor, Department of Pathology, Immunology, and Laboratory Medicine
- **Interdisciplinary Center for Biotechnology Research Site Visit**
  - Dr. Steve Madeire, Associate Director for Science, ICBR
  - Dr. Yanping Zhang, Scientific Director for Gene Expression & Genotyping, ICBR
- **Human-Experience Research Lab Site Visit**
  - Dr. Juan Gilbert – The Banks Preeminence Professor and Chair, Department of Computer & Information Science & Engineering

### Friday, June 8
- **Check-in and Daily Overview** | Classroom (UF II E251)
- **Computer Aided 3D Animation** | Classroom (UF II E251)
- **3D Animation with Blender** | Computer Lab (CSE E231)
  - Dr. Rong Zhang, Lecturer, Department of Computer & Information Science & Engineering
- **Lunch** | Einstein Bros. Box Lunches
- **Powell Lab and Boundary Layer Wind Tunnel Site Visit** | UF East Campus
  - Scott Powell, Lab Manager, Powell Family Structures & Materials Lab, Engineering School of Sustainable Infrastructure & Environment
- **UF Data Center and HiPerGator Site Visit** | UF East Campus
  - John Toner, Manager, Data Center Infrastructure & Engineering
<table>
<thead>
<tr>
<th>Day</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, June 11</td>
<td>Check-In and Daily Overview</td>
</tr>
<tr>
<td></td>
<td>See the World through the HiPerGator Supercomputer</td>
</tr>
<tr>
<td></td>
<td>- Dr. Xiaoyu Song, Assistant Professor, Engineering School of Sustainable Infrastructure &amp; Environment</td>
</tr>
<tr>
<td></td>
<td>Gator Motorsports, Mechanical Engineering Building C (MAE-C 133-134)</td>
</tr>
<tr>
<td></td>
<td>- Isaiah Hendrick, Undergraduate Student, Mechanical Engineering</td>
</tr>
<tr>
<td></td>
<td>- Meghan Black, Undergraduate Student, Materials Science and Engineering</td>
</tr>
<tr>
<td></td>
<td>Lunch: The Hub &amp; Turlington</td>
</tr>
<tr>
<td></td>
<td>Python Programming Class</td>
</tr>
<tr>
<td></td>
<td>Work on Group Projects</td>
</tr>
<tr>
<td>Tuesday, June 12</td>
<td>Check-In and Daily Overview</td>
</tr>
<tr>
<td></td>
<td>How Computers and Algorithms Help Discover and Design New Materials Classroom (UIF E251)</td>
</tr>
<tr>
<td></td>
<td>- Dr. Richard Hanning, Professor, Department of Materials Science and Engineering</td>
</tr>
<tr>
<td></td>
<td>How to Form the Brightest Galaxies in the Universe</td>
</tr>
<tr>
<td></td>
<td>- Dr. Desika Narayanan, Assistant Professor, Department of Astronomy</td>
</tr>
<tr>
<td></td>
<td>Lunch: Gator Corner Dining</td>
</tr>
<tr>
<td></td>
<td>Transportation Lab</td>
</tr>
<tr>
<td></td>
<td>- Dr. Scott Washburn, Professor, Department of Civil and Coastal Engineering</td>
</tr>
<tr>
<td></td>
<td>Work on Group Projects</td>
</tr>
<tr>
<td>Wednesday, June 13</td>
<td>Check-In and Daily Overview</td>
</tr>
<tr>
<td></td>
<td>Work on Group Projects</td>
</tr>
<tr>
<td></td>
<td>Lunch: Domino’s Pizza</td>
</tr>
<tr>
<td></td>
<td>Reitz Union Game Room</td>
</tr>
<tr>
<td></td>
<td>- Bowling, Billiard’s, Table Tennis, and Foosball</td>
</tr>
<tr>
<td></td>
<td>Work on Group Projects</td>
</tr>
<tr>
<td>Thursday, June 14</td>
<td>Check-In and Daily Overview</td>
</tr>
<tr>
<td></td>
<td>Work on Group Projects, Computer Lab (CSE E231)</td>
</tr>
<tr>
<td></td>
<td>Lunch: The Hub &amp; Turlington</td>
</tr>
<tr>
<td></td>
<td>Work on Group Projects, Computer Lab (CSE E231)</td>
</tr>
<tr>
<td>Friday, June 15</td>
<td>Check-In and Daily Overview</td>
</tr>
<tr>
<td></td>
<td>Project Presentation Preparation</td>
</tr>
<tr>
<td></td>
<td>Project Presentation Preparation and Set-up</td>
</tr>
<tr>
<td></td>
<td>Lunch - McAllister’s Club Sandwiches</td>
</tr>
<tr>
<td></td>
<td>Gator Computing Program Symposium and Reception for Invited Guests</td>
</tr>
<tr>
<td></td>
<td>- Relatives and teachers invited, 1:00-4:00pm</td>
</tr>
<tr>
<td></td>
<td>Program Conclusion</td>
</tr>
</tbody>
</table>
2018 GATOR COMPUTING PROGRAM

Symposium
June 15, 2018
1:00 p.m. – 4:30 p.m.
New Physics Building, Room 2205

AGENDA

Opening Remarks
Dr. Erik Deumens
Director of UFIT Research Computing

Staff Recognition
Ying Zhang, UFIT Research Computing

Project Overview
Dr. Matt Gitzendanner, Dr. Oleksandr Moskalenko, & Ying Zhang
UFIT Research Computing

Project Presentation

Sweet Dough Co. (Blender)
Emily Kang, Lily Guo

RAZ – Voice Control Lighting (Raspberry Pi)
Anya Ait-Sahila, Charlie DePlato, Jacob Sedesse

iPhone Concept (Blender)
Matias Meno, Pujan Patel

India Jonas and the Rassackers of the Maplaced Ship (Arduino)
Tyler Smyth, Earl Foroon

Fiji Water (Blender)
Timmy Li, Michael Fohn, Jeffrey Xue

Exploration of Emergency Responses vs. Electrical Consumption in Gainesville (Big Data Analytics)
Vinay Arun, Michael Wu

Musical Arduino (Arduino)
Tamani Dexter, A`Marria Mills

The Pac-Man Project (Blender)
Madeline Eller, Jayden Ray

The P.R.O.J.E.C.T. (Arduino)
Adam Livay, Luke Shiomitsu

Closing Remarks & Presentation of Program Certificates
Dr. Erik Deumens, Director of UFIT Research Computing
Jesse Wilson, UF Center for Precollegiate Education and Training (UF CPET)