# Computefest

**JANUARY 2016**

## Sponsors
- MathWorks
- Microsoft
- NVIDIA
- Continuum Analytics
- Tableau

## Program

**JANUARY 2016**

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<th>MON</th>
<th>TUES</th>
<th>WEDS</th>
<th>THUR</th>
<th>FRI</th>
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<tr>
<td><strong>AM</strong></td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>PYTHON</td>
<td>MS AZURE</td>
<td>MATHEMATICA</td>
<td>NO SQL</td>
<td>MATLAB</td>
<td>GPU</td>
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<td>R</td>
<td>R</td>
<td>DL1</td>
<td>DL2</td>
<td>GPU</td>
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<tr>
<td><strong>PM</strong></td>
<td>18</td>
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<tr>
<td>MS AZURE</td>
<td>PYTHON</td>
<td>DL1 MATLAB</td>
<td>DL2 AWS</td>
<td>GPU TABLEAU</td>
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→ **STUDENT CHALLENGE**

**IACS Symposium**

BRAIN + MACHINES

**JAN 19 & 20**
<table>
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<th>Time</th>
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<tr>
<td>Monday</td>
<td><strong>Onsite Registration</strong></td>
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<tr>
<td>Monday 9:00 AM</td>
<td>Complimentary continental breakfast sponsored by Microsoft</td>
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| Monday 9:30 AM | **Introduction to Python for Scientists and Engineers**  
Ian Stokes-Rees, Computational Scientist // Continuum Analytics |
| Monday 9:30 AM | **Introduction to Microsoft Azure – Part I**  
Brandon Rohrer, Senior Data Scientist // Microsoft |
| Monday 12:30 PM | Open time – no programming scheduled  
[12:30 – 1:30 pm]                                           |
| Monday 1:30 PM | **Introduction to R**  
Ista Zahn, Training & Programming Consultant // Institute for Quantitative Social Science, Harvard |
| Monday 1:30 PM | **Introduction to Microsoft Azure – Part II**  
Brandon Rohrer, Senior Data Scientist // Microsoft |
| Tuesday 9:00 AM | Onsite Registration  
**Complimentary continental breakfast** |
| Tuesday 9:30 AM | **Introduction to the Wolfram Language**  
Etienne Bernard, Lead Architect // Wolfram Research |
| Tuesday 9:30 AM | **Data Visualization with Python**  
Ian Stokes-Rees, Computational Scientist // Continuum Analytics |
| Tuesday 12:30 PM | Open time – no programming scheduled  
[12:30 – 1:30 pm]                                           |
| Tuesday 1:30 PM | **Basic R Programming for Data Analysis**  
Ista Zahn, Training & Programming Consultant // Institute for Quantitative Social Science, Harvard |
| Tuesday 1:30 PM | **Advanced Python**  
Ian Stokes-Rees, Computational Scientist // Continuum Analytics  
**Complimentary afternoon coffee** |
| Wednesday 9:30 AM | Onsite Registration  
**Complimentary continental breakfast sponsored by MathWorks** |
| Wednesday 10:00 AM | **Data Analytics with MATLAB**  
Loren Shure, Consulting Application Engineer // MathWorks |
| Wednesday 10:00 AM | **NoSQL vs. NewSQL: Demystifying the Zoo of Contemporary Database Systems**  
Niv Dayan, IACS Postdoctoral Researcher // Institute for Applied Computational Science |
| Wednesday 12:00/12:30 | Open time – no programming scheduled  
[12:00/12:30 – 1:00/1:30 pm]                                           |
| Wednesday 1:30 PM | **Intro to MATLAB: Problem Solving and Programming**  
Matt Tearle, Training Content Developer // MathWorks  
Swaroop Sheshadri, Academic Training Engineer // MathWorks  
**Afternoon coffee sponsored by MathWorks** |
| Thursday 8:30 AM | Onsite Registration  
**Complimentary continental breakfast sponsored by NVIDIA and MathWorks** |
| Thursday 9:00 AM | **Introduction to GPU Programming with NVIDIA CUDA & OpenACC – Part I**  
Jonathan Bentz, Solutions Architect // NVIDIA  
Barton Fiske, Senior Higher Education Business Development Manager // NVIDIA |
| Thursday 9:30 AM | **Tackling Big Data with MATLAB**  
Loren Shure, Consulting Application Engineer // MathWorks |
| Thursday 12:00/12:30 | Open time – no programming scheduled  
[11:30/12:00 – 1:30 pm]                                           |
| Thursday 1:30 PM | **Deep Learning – Part II**  
Verena Kaynig-Fittkau, Lecturer // Institute for Applied Computational Science  
**Complimentary afternoon coffee** |

**NOTE:** All workshops will take place in the basement classrooms (downstairs from cafe) of the Northwest Building, 52 Oxford Street
FRIDAY 15

8:30 AM  Onsite Registration
   ➢ Complimentary continental breakfast sponsored by NVIDIA

9:00 AM  Introduction to Python's Scikit-Learn Library
   [9:00 am – 1:00 pm]
   Rahul Dave, Lecturer // Institute for Applied Computational Science

9:30 AM  GPU Programming and Optimization with NVIDIA CUDA – Part II
   [9:30 am – 12:30 pm]
   Jonathan Bentz, Solutions Architect // NVIDIA
   Barton Fiske, Senior Higher Education Business Development Manager // NVIDIA

1:00 PM  Deep Learning with GPUs using NVIDIA DIGITS and Contemporary Frameworks
   [1:00 – 4:30 pm]
   Jonathan Bentz, Solutions Architect // NVIDIA
   Barton Fiske, Senior Higher Education Business Development Manager // NVIDIA

1:30 PM  Introduction to Tableau
   [1:30 – 4:30 pm]
   Mary Kate Quigley, Sales Consultant // Tableau
   ➢ Afternoon coffee sponsored by NVIDIA and Tableau

WORKSHOPS

LOCATIONS

1 WORKSHOPS
Northwest Building
52 Oxford Street - B1 Level

2 SYMPOSIUM
Science Center
1 Oxford Street - Hall B

WIFI ACCESS

Harvard Participants
Use your HUID and PIN to register any personal device not registered on the Harvard wireless network.

Guests
Choose the Harvard Guest Network. Open a new browser window to register on the network. No password is required.