Are you running Psychology, Neuroscience or Vision experiments using a computer?

1. **WHAT** – If you are a psychologist, neuroscientist or vision researcher who reports timing accuracy in units of a millisecond, then it’s likely your timings are wrong! This can lead to replication failure, spurious results and questionable conclusions. The Black Box ToolKit lets you quickly and easily check your own timing accuracy in terms of stimulus presentation; synchronization with other equipment; and RT accuracy.

2. **WHY** – Modern hardware may be faster but millisecond timing accuracy is becoming harder to achieve: ‘millisecond precision’ does not equal ‘millisecond accuracy’. Precision simply means timings are reported in units of a millisecond, not that they are accurate! Whatever experiment generator you use, it only knows when it requested a stimulus be shown and not the time when it physically appeared.

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   - Semir Zeki  (University College London)
   - Colin F. Camerer  (California Institute of Technology)
   - Kozo Kaibuchi  (Nagoya University)

3. Special Program
   - Carol Ann Mason  (Columbia University)

4. Symposia
   - Symposia Planned by Program Committee
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5. Award Lectures
   - Nakaakira Tsukahara Memorial Award
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**Sunday, Oct. 18th**

9:30 - 11:15

- **Sharing neuroimaging results with NIDM**
  - David Keator, JB Poline & NIDM working group

11:15 - 13:00

- **NeuroVault.org: A web-based repository for collecting and sharing unthresholded statistical maps of the human brain**
  - Krzysztof J. Gorgolewski

13:30 - 15:15

- **J-Node platforms**
  - Yoko Yamaguchi & J-Node PF members

15:15 - 17:00

- **Versatile file format for consistent data organization and sharing**
  - Adrian Stoewer, Christian Kelner, Andrey Sobolev, Michael Sonntag, Jan Benda, Thomas Wachtler, Jan Grewe

**Monday, Oct. 19th**

9:30 - 11:15

- **The CARMEN Portal. What it is, what has been learned**
  - Leslie Smith, Evelyne Sernagor

11:15 - 13:00

- **CENTER-TBI data capture and analysis platform**
  - Jeannette Söderberg, Visakh Muraleedharan, Jeffrey Grethe, Sean Hill

13:30 - 15:15

- **Microcircuit cell types, connectomics, and model discovery using SenseLab and NeuroElectro**
  - Luis N Marenco, Rixin Wang, Robert A McDougal, Francesco Cavaretta, Shaina M Short, Thomas M Morse, Shreejoy Tripathy, Michele Migliore, N. Ted Carnevale, Michael L Hines, Perry L Miller, Gordon M Shepherd

15:15 - 17:00

- **OpenWorm: Modeling the behavior of a complete nervous system with only 302 neurons**
  - Stephen Larson

**Tuesday, Oct. 20th**

9:30 - 11:15

- **TimeLapseReg: An ImageJ plugin for drift correction of video sequences in time lapse microscopy**
  - Raghavender Sahdev, Tomasz Koropczynski, Dimitri Prodanov, Daniel Sage

11:15 - 13:00

- **Collaborative model development on Open Source Brain**
  - Padraig Gleeson and Angus Silver

13:30 - 15:15

- **Research Resource ID’s and Annotating the Web**
  - Maryann Martone

15:15 - 17:00

- **KnowledgeSpace demo**
  - KnowledgeSpace working group

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**Neurodata Without Borders activities:**

**Sunday, Oct. 18th 18:30 - 19:30**

- Introduction to the NWB format (alpha)
  - Fairmont Chicago: Ambassador

**All days, Oct 18th - 20th 10:00 - 11:00 & 14:00 - 15:00**

- NWB data format Q&A and hands-on
  - INCF Booth #2114

**Neuroinformatics social**

How can common tools, standards, and collaboration boost your research? A few short presentations and plenty of time for socializing and networking.

**Sunday, Oct 18th 18:45 - 20:45**

- SfN sponsored event
  - McCormick Place, Room N229

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**International Neuroinformatics Coordinating Facility**

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