| | |
|---|---|
| **ModSim 2017 – Day One, August 9, 2017** ||
| 7:30-8:00 a.m. | Registration and Welcome to ModSim |
| *Theme: Exploring the Impact of ModSim* ||
| 8:00-8:15 a.m. | Introduction to the 2017 ModSim Workshop – **Adolfy Hoisie** |
| 8:15-8:45 a.m. | View from Washington D.C. – **Rich Carlson** |
| 8:45-9:45 a.m. | Keynote Speaker – **Paul Messina, Project Director, Exascale Computing Project** |
| 9:45-10:00 a.m. | *Open Discussion* |
| 10:00-10:30 a.m. | **Pradip Bose** – Integrated Performance Power Reliability |
| 10:30-11:00 a.m. | **Bruce Jacob** – Simulation of Memory Systems |
| 11:00-11:30 a.m. | **Hyesoon Kim** – HBM/Integrated CPU-GPU |
| 11:30-Noon | **Laura Carrington** – Application-centric Modeling Methodology to Explore Hardware Features (SDSC) |
| *Lunch Pickup*: **Noon – 12:30 p.m.** ||
| 12:30-2:00 p.m. | *Panel*: **Discussion of ModSim Accomplishments in the Last Five Years** – *Moderators*: Bruce Childers and Noel Wheeler |
| 2:00-2:30 p.m. | **Kevin Barker** – Static and Dynamic Modeling for Power and Performance |
| 2:30-3:00 p.m. | **Jesus Labarta** – Modeling Tools |
| 3:00-3:15 p.m. | *Open Discussion* |
| 3:15-3:45 p.m. | **Arun Rodrigues** – SST: The Structural Simulation Toolkit |
| 3:45-4:15 p.m. | **Tor Aamodt** – The GPGPU-Sim Simulator Framework |
| 4:15-4:30 p.m. | *Closing Remarks* |
| 4:30 p.m. | **End Day One** |

| ModSim 2017 – Day Two, August 10, 2017 | |
|---|---|
| 8:00-8:15 a.m. | Day One Recap and Day Two Agenda – **Adolfy Hoisie** |
| *Theme: ModSim for New Computing Paradigms* | |
| 8:30-9:00 a.m. | **William Oliver** – Engineering Quantum Systems |
| 9:00-9:30 a.m. | **Subhasish Mitra** – Abundant-Data Computing: The N3XT 1,000X |
| 9:30-10:00 a.m. | **Keren Bergman** – Cross-layer Design and Modeling for Future Optically Interconnected Computing |
| 10:00-10:15 a.m. | *Open Discussions* |
| 10:15-10:45 a.m. | **Steven Esser** – TrueNorth: Energy-Efficient, Brain-Inspired Computing |
| 10:45-11:15 a.m. | **Kevin Rudd** – Open-Source Hardware |
| *Lunch Pickup*: 11:30 a.m. – Noon | |
| Noon-1:30 p.m. | *Application Panel – Moderator*: Brian Van Essen |
| 1:30-2:00 p.m. | **Jim Sexton** – Data and Computing Integration |
| 2:00-2:30 p.m. | **Satoshi Matsuoka** – Accelerated Computing |
| 2:30-2:45 p.m. | *Open Discussions* |
| 2:45-3:15 pm | **Sudhakar Yalamanchili** – Back to the Future: Memory-Centric Computing 2.0 |
| 3:15-4:45 pm | *Panel*: **ModSim for Computing Beyond Moore's Law** – *Moderator*: Sudhakar Yalamanchili |
| 4:45-5:00 p.m. | *Closing Remarks* |
| 5:00 p.m. | **End Day Two** |

| ModSim 2017 – Day Three, August 11, 2017 | |
|---|---|
| **Theme: What Does it Really Mean to Achieve Exascale?** | |
| 8:00-8:45 a.m. | **Doug Kothe** – ECP Applications: Status and Prospects |
| 8:45-9:15 a.m. | **Satoshi Matsuoka** – Perspectives on Achieving Exascale: View from Japan |
| 9:15-9:45 a.m. | **Jesus Labarta** – Perspectives on Achieving Exascale: View from Europe |
| 9:45-10:00 a.m. | **Adolfy Hoisie** – Critique of Metrics |
| 10:00-10:30 a.m. | **David Richards** – The Role of Proxy Apps in ECP |
| 10:30-11:00 a.m. | **Shekhar Borkar** – Perspectives from a Systems Architect |
| 11:00-11:15 a.m. | *Open Discussion* |
| 11:15-12:30 p.m. | *Panel*: **What Does It Mean to Achieve Exascale?** – *Moderators*: Shekhar Borkar and Martin Schulz |
| 12:30-12:45 p.m. | **Workshop Wrap-up** |