Ohio Supercomputer Center

SUG

Statewide Users Group

Fall Conference
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Ohio Supercomputer Center
An **OH·TECH** Consortium Member

Keynote Address

Russ Fromkin

**Americas HPC and
HPDA Sales Director**

Intel Corporation

Russ Fromkin is the Americas HPC and HPDA Sales Director for the Intel Corporation. Russ and his team are responsible for helping technical computing and data analytics customers implement cutting edge technologies developed by Intel Corporation. Russ joined Intel Corporation in 1999 as part of an acquisition of Dialogic Corporation. Previous to his current role, Russ helped lead Information Assurance, HPC and Cloud Computing activities for the Intel Federal team. Prior to the acquisition, Russ developed and managed the ISV program for Dialogic. Russ holds a BA from The Johns Hopkins University.

Posters

1. **Chemoinformatic Analysis of a Target RNA Element**
   Ali Aldhumani | Ohio University

2. **NASA Airborne Hyperspectral Image Analysis: the 2016 Lake Erie CyanoHAB**
   Dulci Avouris | Kent State University

3. **Convolutional Neural Networks and Deep Learning to Detect Mineral Crystal System**
   Neeman Alisa | Muskingum University

4. **Recent Results on Finite-Element-based Particle-in-Cell Methods for Kinetic Plasma Simulations**
   Julio de Lima Nicolini | The Ohio State University

5. **Deconvolution of Complex Scattering in Atomic Resolution Spectroscopic Images Using Multi-slice Simulations**
   Binbin Wang | The Ohio State University

6. **Molecular simulations of polymer membranes: effects of water**
   Xuepeng Deng | The Ohio State University

7. **Systematic analysis of function and regulation of microRNA isoforms in Cancer**
   Rosario Distefano | The Ohio State University

8. **Application of Finite Volume Method in simulating erythrocytes separation**
   Xuyao Gao | The Ohio State University

9. **Two photon absorbtion of bovine Rhodopsin**
   Samira Gholami | Bowling Green State University

10. **Using the Ohio Supercomputer cluster to measure developmental changes in connectivity between the amygdala subnuclei and occipit**
    Heather Hansen | The Ohio State University

11. **Phase Field Modelling of Transformation Pathway in HEA**
    Kamalnath Kadirvel | The Ohio State University

12. **Studying Infant Hippocampal Connectivity with the OSC**
    Athena Howell | The Ohio State University

13. **Early Results of Monte-Carlo Simulations for NaxCoO2**
    Joseph Lanier | Xavier University

14. **Filter-and-Convolve: A CNN Based Multichannel Complex Concatenation Acoustic Model**
    Peidong Wang | The Ohio State University

15. **Connectivity patterns between language and visual systems in neonatal and adults brain**
    Jin Li | The Ohio State University

16. **A comprehensive study of StaQC for Deep Code Summarization**
    Jayavardhan Reddy Peddamail | The Ohio State University

17. **Predicting reading ability based on anatomical and functional neural connectivity**
    Carver Nabb | The Ohio State University

18. **Goniopolarity: Axis-Dependent Conduction Polarity in Layered Materials**
    Yaxian Wang | The Ohio State University

19. **Quantum Mechanical Calculations Towards The Discovery Of Therapeutics For Organophosphorus Poisoning**
    Ola Nosseir | The Ohio State University

20. **Large Eddy Simulations of Sustainable Greenbelts in Industrial Complexes**
    Theresia Yazbeck | The Ohio State University

21. **Use of Computational Tools in the Search for the Next Generation of Materials for Regenerative Medicine Applications**
    Felipe Fabricio Pacci Evaristo | The Ohio State University

22. **Large-scale Computation for Plasma Opacities**
    Lianshui Zhao | The Ohio State University
    Authors L. Zhao, S.N. Nahar, A.K.Prad[...]

23. **Exploring the development of high-level visual connectivity in infants on the Ohio Supercomputer Center cluster**
    Micah Rhodes | The Ohio State University

24. **Computational Studies of Zeolite Nanosheets as Pervaporation Membranes for Ethanol Extraction**
    Changlong Zou | The Ohio State University