

Data Science Day, Friday, April 21, 2017

PNNL = Pacific Northwest National Laboratory, **LANL** = Los Alamos National Laboratory, **MHS** = Multiscale Health Systems, **PFR** = Parallax Financial Research, **EECS** = School of Electrical Engineering and Computer Science, **DMS** = Department of Mathematics and Statistics, **FSHN** = Food Science and Human Nutrition, **THPG** = Total Health Physician's Group, **MME** = School of Mechanical and Materials Engineering

- 8:00 **Chuck Moore, Chair-DMS: Opening remarks**
- 8:15 **Cliff Joslyn, PNNL: Type-Casting, Time/Data Cubes and UQ Representations**
- 8:30 **Humberto Godinez, LANL: Data Assimilation**
- 9:45 **Valentina Staneva, UW-Seattle: Open Data Observatories**
- 9:00 **Andrew Fraser, LANL: Inferring Functions from Data**
- 9:15 [Discussion of first four talks](#)
- 10:00 Begin the 20, 5-minute open problem talks and discussions
- Patrick Campbell, MHS: Curating Data-ecosystems for Analysis**
- Kris Kaufman, PFR: Financial Prediction**
- Krishnamoorthy Sivakumar, WSU-EECS: Signal Processing and Memory Devices**
- Justin Marks, Gonzaga: Determining a Hierarchy for Subspace Means**
- [40 minutes of Discussion](#)
- Yuan Wang, WSU-DMS: Medical Imaging**
- Justin Theriot, Emsi: Economic Growth and Big Data**
- Charles Diako, WSU-FSHN: Sensory Science and Food**
- Rick Chartrand, Descartes Labs: Learning from Petabytes of Remote Sensing Data**
- [40 minutes of Discussion](#)
- 12:00 [Lunch in CUE 518 – Paul Vixie's Talky.io Talk: DNS data and Security](#)
- 1:00 Afternoon Session starts
- Robert Spady, THPG: Optimizing Health using Mobile Data**
- Andreas Rechsteiner, UC-Santa Cruz: Bioinformatics**
- Haijun Li, WSU-DMS, Random Sets and Regular Variation**
- Chuck Pezeshki, WSU-MME: Big Data and Student Learning**
- [40 minutes of Discussion](#)
- Matthew Taylor, WSU-EECS: Learning from High Quality/Low Quality Data Mixtures**
- Matthew Sottile, Noddle: Graphs and Unstructured Data**
- Kevin Vixie, WSU-DMS: Data Driven Geometric Measure Theory**
- Kyle Harrington, U Idaho: Image Based Modeling**
- [40 minutes of Discussion](#)
- Bala Krishnamoorthy, WSU-DMS: Topological Data Analysis**
- Hongbo Dong, WSU-DMS: Set approximation and High Dimensional Statistics**
- Predrag Tosic, WSU-EECS: Computational Brains and Memory**
- Alexander Panchenko, WSU-DMS: Boolean Dynamical Systems and ODEs**
- [40 minutes of Discussion](#)
- 4:00 [Discussion of questions generated during the day, gathered round the whiteboards](#)
- 6:00 Meeting is over!