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!