Workshop on Machine Learning For Optical Comm Systems

Friday, August 2nd, 2019
NIST Boulder, Colorado Campus

7:00 – 8:00 Continental Breakfast
8:00 – 8:30 Welcome and Opening Remarks
8:30 – 9:15 Keynote: “Machine Learning for Optical Communication Systems”
  • Speaker: Massimo Tornatore (Politecnico di Milano, Italy)
9:15 – 9:30 Coffee Break
9:30 – 11:30 Morning Talks (35 min each + 5 min questions)
  • Topic 1: “What data matters in optical communications”
    a. Speaker: Dr. Uiara Celine (Technical University of Denmark)
  • Topic 2: “Machine learning models”
    a. Speaker: Joao Pedro (Infinera)
  • Topic 3: “Data starved systems”
    a. Speaker: Michael Majurski (NIST)
11:30-12 pm Morning Speaker Panel- Discussion to address questions from morning talks.
  (Panel Moderator: Dan Kilper)
12:00 – 13:00 Lunch (available for registered attendees only)
13:00 – 14:00 Afternoon speaker panel facilitated by 3 Flash Talks/ 5 min each.
  (Panel Moderator: Abdella Battou)
  • Flash Talk 1: “Possible data sets coming from coherent transponders”
    a. Speaker: Jim Westdorp (Ciena)
  • Flash Talk 2: “Data from ROADM / optical layer”
    a. Speaker: Dan Kilper (University of Arizona)
  • Flash Talk 3: “Cross-layer/multi-vendor end-to-end networking”
    a. Speaker: Jesse Simsarian (Nokia-Bell Labs)
14:00 – 15:00 Breakout groups lead by flash talk speakers
15:00 – 15:15 Coffee Break
15:15 – 16:00 Readout from breakout groups
16:00 – 16:30 Discussion on draft white paper
16:30 – 17:00 Next steps: working groups and follow up workshop
  • Signup sheet for working group.