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.