

# Workshop schedule

## PRINCIPLES OF DISTRIBUTED LEARNING (PODL)

**Welcome:** 8:45 - 9:00

- **9:00 - 9:20:** TISSUE VS SILICON: MUSINGS ON THE FUTURE OF DEEP LEARNING HARDWARE AND SOFTWARE  
- NIR SHAVIT (MIT, USA)
- **9:20 - 9:40:** HAMMER OR GAVEL. OR HOW I LEARNT TO STOP LEARNING AND LOVE THE OLD-FASHIONED ALGORITHM  
- INDRANIL GUPTA (UIUC, USA)
- **9:40 - 10:00:** COLLABORATIVE LEARNING IS AN AGREEMENT PROBLEM  
- SADEGH FARHADKHANI (EPFL, SWITZERLAND)

**COFFEE BREAK:** 10:00 - 10:30

- **10:30 - 10:50:** ASYNCHRONOUS DISTRIBUTED MACHINE LEARNING  
- HAGIT ATTIYA (TECHNION, ISRAEL)
- **10:50 - 11:10:** ACCELERATED DEEP LEARNING VIA EFFICIENT, COMPRESSED AND MANAGED COMMUNICATION  
- MARCO CANINI (KAUST, SAUDI ARABIA)
- **11:10 - 11:30:** FRUGAL DISTRIBUTED LEARNING  
- ANNE-MARRIE KERMARREC (EPFL, SWITZERLAND)
- **11:30 - 11:50:** A NON-PARAMETRIC VIEW OF FEDAVG AND FEDPROX: BEYOND STATIONARY POINTS  
- LILI SU (NORTHEASTERN UNIVERSITY, USA)
- **11:50 - 12:00:** ROBUST SPARSE VOTING  
- YOUSSEF (EPFL, SWITZERLAND)

## **LUNCH BREAK: 12:00 - 14:00**

- **14:00 - 14:20:** ELASTIC CONSISTENCY: A GENERAL CONSISTENCY MODEL FOR DISTRIBUTED OPTIMIZATION  
- DAN ALISTARH (IST, AUSTRIA)
- **14:20 - 14:40:** SCALING UP DISTRIBUTED LEARNING WITH SYSTEM RELAXATIONS: BAGUA AND BEYOND  
- CE ZHANG (ETH ZURICH, SWITZERLAND)
- **14:40 - 15:00:** SCALABLE ALGORITHMS FOR DISTRIBUTED PRINCIPAL COMPONENT ANALYSIS  
- WAHEED BAJWA (RUTGERS UNIVERSITY, USA)
- **15:00 - 15:20:** MARINA: FASTER NON-CONVEX DISTRIBUTED LEARNING WITH COMPRESSION  
- KONSTANTIN BURLACHENKO (KAUST, SAUDI ARABIA)
- **15:20 - 15:40:** ON PRIVACY AND SECURITY IN FEDERATED LEARNING  
- SUHAS DIGGAVI (UCLA, USA)
- **15:40 - 16:00:** THE ROLE OF MOMENTUM IN BYZANTINE LEARNING  
- NIRUPAM GUPTA (EPFL, USA)

## **Coffee Break: 16:00 - 16:30**

- **16:30 - 16:50:** MACHINE LEARNING WITHOUT JEOPARDIZING THE DATA  
- ARNAUD GRIVET SÉBERT (CEA, FRANCE)
- **16:50 - 17:10:** CAN BYZANTINE LEARNING BE PRIVATE?  
- RAFAEL PINOT (EPFL, SWITZERLAND)