DS³

DATA SCIENCE SUMMER SCHOOL

JUNE
25-29
2018

SPONSORING OFFER

ÉCOLE POLYTECHNIQUE
UNIVERSITÉ PARIS-SACLAY

DATA
SCIENCE
INITIATIVE
ÉCOLE POLYTECHNIQUE

INSTITUTE DATAIA
Data Science, Intelligence & Society
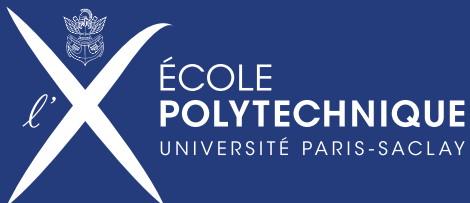
LOCATION

The success of the 2017 Data Science Summer School imprinted ours memories. The organization of a new version for 2018 appears to be an obvious one: get together to exchange, share and discover the latest advances in the field.

The Second Data Science Summer School 2018 will take place from June, 25 to June, 29, 2018 at the Polytechnique Campus in Palaiseau. Internationally renowned professors such as Yann LeCun or Adrian Weller will succeed each other. On this occasion, the participants from the academic and professional worlds will be able to easily exchange ideas and the meeting of different but complementary know-how will allow to reflect on the new challenges raised by the data sciences, and possible solutions will have a chance to emerge.

Tutorials sessions of the first 3 days, exhibition, poster sessions and cocktails will be held at the Ecole polytechnique.

In-depth tutorials with practical sessions on day 4 and 5 will take place at the Ecole polytechnique and DATAIA Institute.

Exhibition area will be set-up during the first 3 days in the Grand Hall of the Ecole polytechnique near the main amphitheater. The number of exhibition booths will be limited to 10.
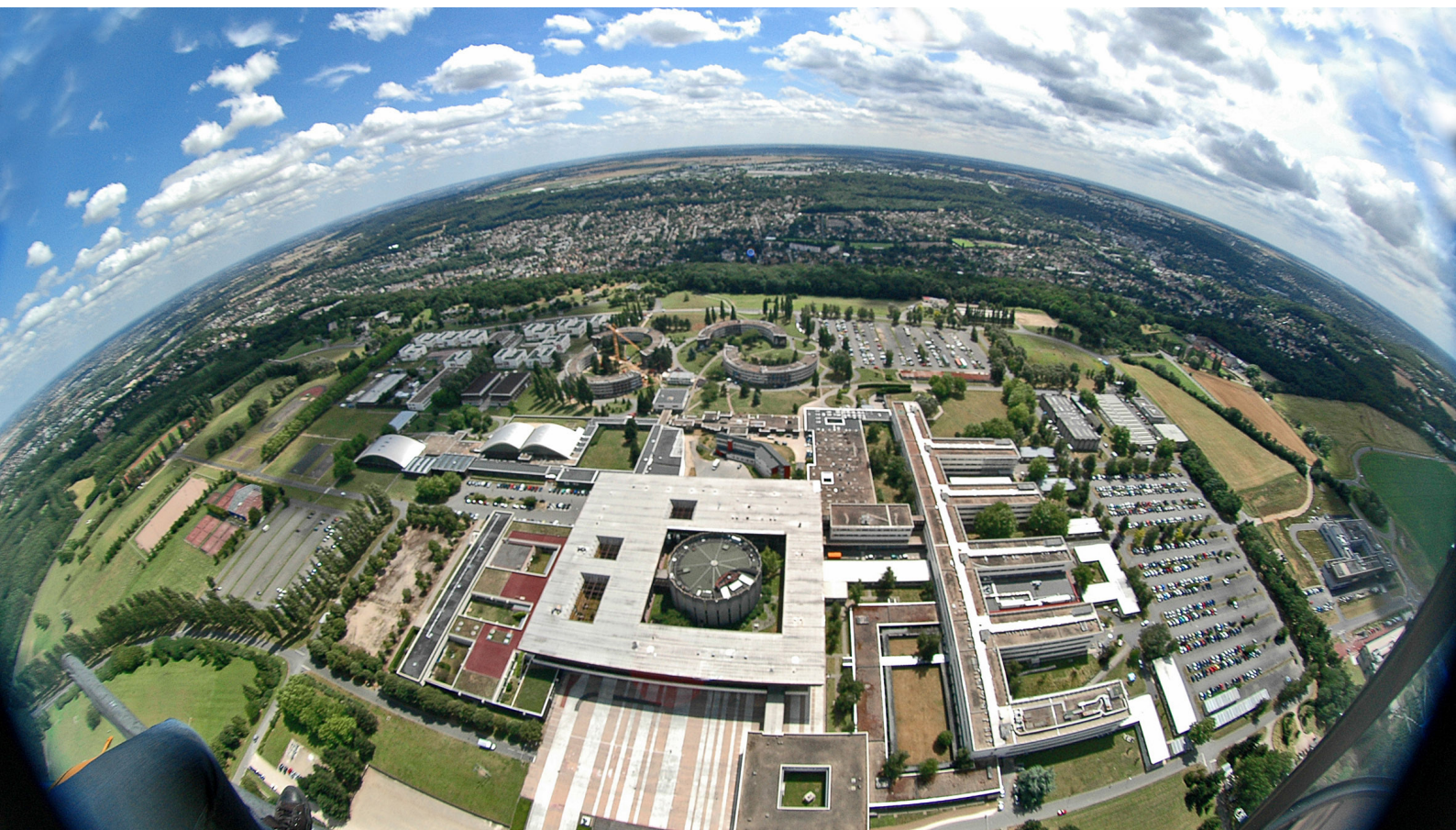
400 expected participants

(MSc2, PhD, Postdoc, Academics, Members of Public Institutions and Professionals)

FEES

Master 2 students, PhD and Postdoc: 150 €
Academics: 250 €
Professionals: 1500 €

Participation fee includes (mainly) lunches, coffee breaks, welcoming cocktail, banquet and shuttle bus every evening for going back from Polytechnique campus.

2017 STATISTICS

400 participants
220 students (MSc, PhD) & postdocs, 100 professionals
16 experts (speakers, guests)
30 countries
6 continents
200 institutions
50 companies
6 sponsors
120 posters
female : male ratio = 3 : 10

LEARN MORE ABOUT DS3 2017;
http://2017.ds3-datascience-polytechnique.fr

2017 PICTURES here

The first day morning will be public - between 800 to 1000 people expected (including Polytechnicians):

Opening talk by *Cédric VILLANI, Mathematician and LREM Deputy*
2 hours of **Tutorials**
> Yann LECUN (Facebook, New York University): Deep Learning
> Adrian WELLER (University of Cambridge): Interpretable Machine Learnig

The rest of the summer school is reserved for registered people:

DAY 1, 2 & 3:

Long tutorials

> Krishna GUMMADI (Saarland University): Fairness in Machine Learning
> Mireille HILDEBRANDT (Vrije Universiteit Brussel): Machine Learning Research Design and the GDPR
> Mark GIROLAMI (Imperial College London): Probalistic Numerics
> Suvrit SRA (MIT): Non-convex Optimization
> Nicolò CESA-BIANCHI (University of Milan): Online Learning Algorithms

Parallel sessions on Health and Social Sciences

> Health : Hayit GREENSPAN (Tel Aviv University), Jean-Philippe VERT (CBIO at MINES ParisTech), Volker ROTH (University of Basel)
> Social Sciences: Dominique BOULLIER (École Polytechnique Fédérale de Lausanne), Oana GOGA (University of Grenoble Alpes), Brandon STEWART (Princeton University)

Poster session of participants
Selected by the Data Science Initiative organizing committee

Exhibition / booths will be located near the lunch and coffee breaks area during the first 3 days.

DAY 4 & 5:

In depth tutorials with Practical sessions

> Chloé-Agathe AZENCOTT (Mines ParisTech, Institut Curie and INSERM): Machine Learning for Generic Data and Biomedical Images
> Crash Course in Deep Learning and PyTorch (speakers TBA)
> Nicolas COURTY (University of Bretagne Sud): Optimal Transport and Machine Learning
> Marco CUTURI (ENSAE): Optimal Transport and Machine Learning
> Pawer DLOTKO (Swansea University): Topological Data Analysis
> Rémi FLAMARY (University of Nice): Optimal Transport and Machine Learning
> Arthur GRETTON (University College London): Hypothesis Testing Using Kernel Embeddings
> Julie JOSSE (École polytechnique): Missing Data
> Emtiyaz KHAN (RIKEN): Approximate Bayesian Inference
> Olivier KOCH (Criteo): Practical Introduction to Recommender Systems
> Andreas KRAUSE (ETH Zürich, Swiss Data Science Center): Submodularity in Data Science
> Vitaliy KURLIN (University of Liverpool, Materials Innovation Factory): Topological Data Analysis
> Olivier PIETQUIN (Google Brain): Reinforcement Learning
> Vincent ROUVREAU (Inria): Topological Data Analysis
> Flavian VASILE (Criteo): Practical Introduction to Recommender Systems
> Jean-Philippe VERT (MINES ParisTech): Machine Learning for Genetic Data and Biomedical Images
> Thomas WALTER (Mines ParisTech, Institut Curie and INSERM): Machine Learning for Genetic Data and Biomedical Images
> Kun ZHANG (Carnegie Mellon University): Causality and Machine Learning

Nicolò CESA-BIANCHI
Professor - University of Milan
Online Learning Algorithms
http://cesa-bianchi.di.unimi.it

Mark GIROLAMI
Professor - Imperial College London
Alan Turing Institute
Probabilistic Numerical Methods
https://warwick.ac.uk/fac/sci/statistics/staff/academic-research/girolami

Krishna GUMMADI
Professor - Saarland University
Fairness in Machine Learning
https://people.mpi-sws.org/~gummadi/

Mireille HILDEBRANDT
Professor – Vrije Universiteit Brussel
Machine Learning Research Design and the GDPR
https://www.vub.ac.be/LSTS/members/hildebrandt/

Yann LECUN
Director of AI Research, Facebook.
Professor - Courant Institute, New York University.
Deep Learning
http://yann.lecun.com

Suvrit SRA
Professor - MIT
Non-convex Optimization
http://suvrit.de

Adrian WELLER
Senior Research Fellow - University of Cambridge - Alan Turing Institute
Interpretable Machine Learning
http://mlg.eng.cam.ac.uk/adrian/

SPONSORING OFFER

SILVER: 2 500€

▷ Donation

▷ Your logo on the communication tools (invitation, website, on-site signage...)

GOLD 5 000€

▷ Donation

▷ Your logo on the communication tools (invitation, website, on-site signage...)

▷ One speaking time during the cocktail on day 1

PLATINUM 10 000€

▷ Sponsoring

▷ One invitation

▷ Your logo on the communication tools (invitation, website, on-site signage...)

▷ One speaking time during the cocktail on day 1

▷ One booth space on the exhibition (3mx2m) including:
> 2 sides walls
> carpet
> 1 welcome desk
> 1 high stool

DIAMOND 15 000€

▷ Sponsoring

▷ Two invitations

▷ Your logo on the communication tools (invitation, website, on-site signage...)

▷ One speaking time during the lunch on day 1 (max 3 sponsors)

▷ One booth space on the exhibition (6mx3m)
including:
> 2 sides walls
> carpet
> 1 welcome desk
> 1 high stool

WELCOME BAG: 2 000€

▷ Donation: your logo on the welcome bags distributed to all the participants

USB KEYS: 2 500€

▷ Donation: your logo on the USB keys distributed to all the participants

RECRUITMENT SESSION: 15 000€

▷ Sponsoring: your logo on the communication tools

▷ One meeting room of 40pax booked for 2hours at the end of one day

▷ One invitation

▷ Advertisement on the event website
(the management of the registration and the logistical needs - catering for example - are not included)

contact-ds3@inria.fr
www.ds3-datascience-polytechnique.fr