



WOMEN IN DATA SCIENCE PARIS-SACLAY

#WiDS2021

Hosted by:





WOMEN IN DATA SCIENCE

PARIS-SACLAY

02-03 JUIN 2021
DIGITAL EVENT

Teaser videos

Catuscia Palamidessi, Technical talk 10 minutes video
 Alkhatib Natasha, Technical talk 10 minutes video
 Narjes Nalouti, "Let's play a game" video
 Elise Khaleghy, "Let's play a game" video
 Elodie Dellier, "Let's play a game" video
 Juliette Lemains, "Let's play a game" video
 Cécile Pereira, Career Interview
 Mona Mokart, Student Interviewer
 Amira Ben Hamida, Career Interview
 Camille Ruppli, Student Interviewer

2 juin

18:30 OPENING REMARKS

18:35 TECHNOLOGY VISION TALK

Annabelle Blangero

19:00 PANEL DISCUSSION "*Data for good*"

Khadidiatou Toure
 Laurence Devillers
 Beatrice Biancardi

19:55 CLOSING REMARKS

3 juin

18:30 OPENING REMARKS

18:35 TECHNOLOGY VISION TALK

Magali Bodeux

19:00 PANEL DISCUSSION "*Data and career*"

Emelyne Guillet
 Jessica Manganotti
 Yosr Mhiri

19:55 CLOSING REMARKS

BIOGRAPHIES

In chronological order of the event

MARIANA KOBAYASHI

*Digital Projects Coordinator, WiDS 2021 @Paris-Saclay
Project Leader*

Mariana is a Brazilian engineer graduated from Polytechnique School of São Paulo with a Master degree in Refining Processes obtained at the French Petroleum Institute (IFP).

She moved to France in 2014 at the age of 20. In 2015, she has won Honeywell's UniSim Design Student Challenge, in which she has proposed an innovative solution to treat produced water in oil extraction.

Since then modeling became a passion and a way to implement new ideas.

Mariana has joined Total in 2016 as a Process Engineer in La Mède Refinery, site that has been transformed into a Bio-Refinery. Later she had worked in Process Modeling department, helping to implement machine learning models in Refining & Chemical Branch. Now she works as a Digital Projects Coordinator, contributing to projects as "Refinery 4.0", also acting as a Digital Transformation Facilitator, helping to enable data integration, data analysis and business intelligence projects for Total refineries. She was a finalist of 2018 ERTC (European Refining Technical Conference) Rising Stars' Challenge, in which the candidates should propose new strategies to attract young talents to the Oil & Gas sector.

She is engaged in Total's internal women network in order to promote gender diversity in the scientific domain. She loves table tennis and plays guitar and piano.



MYRIAM FAYAD

Myriam is a Product & Value Manager @ Total Digital Factory.

Her role is to design innovative products, mostly based on complex Data Science models, for Total's various businesses and to contribute to the group's digital transformation.

She has 8 years experience in the Tech and Data fields. Before joining Total, Myriam worked on several Data projects, ranging from data governance to data usage and analysis, mainly in the Energy and Utilities sector (Accenture (EDF, GRTgaz, Enedis), Direct Energie and SNCF Réseau).

Her passion for mathematics and complex data challenges has always followed her since her engineering studies at Supélec, and has matured through her professional experiences.

Myriam is also an ambassador for Women in Data Science @Stanford and is part of the organizing team of the Women In Data Science @Paris Saclay 2021 event.



LIZA MARGUERITTE

*Marketing Data Scientist @Total and WiDS 2021
Ambassador*

Graduated from Ensaï (Ecole nationale de la Statistique et de l'analyse de l'information) in 2014 with the specialty Quantitative Marketing and Revenue Management, she started her career within a Consulting firm (Bluestone / EY Analytics) to discover various industries and working environments.

For 3 years, she had the opportunity to work for companies like Air France, EDF, L'Oreal or Teva Santé. She worked on subjects such as data mining, data visualization, Machine learning. She always has been close to business in order to understand and attend to their needs.

She joined her last client Teva Santé, for more than 2 years as Data Scientist, to help develop customer knowledge and to improve data analysis.

Liza joined Total as Marketing Data Scientist in January 2020, where she works for the Marketing Network.

At Total, her current mission consists in several operational subjects. With her data analysis from Club TOTAL loyalty program, she develops some machine learning models. She mostly works on fraud detection, clustering, customer satisfaction and KPI's follow up.

She joined WiDS @Paris-Saclay 2021 organization team as an ambassador, to help promote data and to share her experience with other women.



CATUSCIA PALAMIDESSI

Director of Research @ Inria Saclay

Catuscia Palamidessi is Director of Research at Inria Saclay (since 2002), where she leads the team COMETE.

She has been Full Professor at the University of Genova, Italy (1994-1997) and Penn State University, USA (1998-2002).

Palamidessi's research interests include Privacy, Machine Learning, Fairness, Secure Information Flow, Formal Methods, and Concurrency.

In 2019 she has obtained an ERC advanced grant to conduct research on Privacy and Machine Learning.

She is coauthor of more than 200 scientific publications, and she has been PC chair of various conferences including Logics in Computer Science, and PC member of more than 120 international conferences.

She is in the Editorial board of several journals, including the IEEE Transactions in Dependable and Secure Computing, the Journal of Computer Security, the Journal of Logical and Algebraic Methods in Programming

Mathematical Structures in Computer Science, and Acta Informatica.

She is serving in the Executive Committee of ACM SIGLOG (Special Interest Group on Logic and Computation), CONCUR, and CSL (Computer Science Logic).



ALKHATIB NATASHA

*Phd Researcher in Automotive Cybersecurity @
Institut Polytechnique de Paris, @ Telecom Paris*

Natasha Alkhatib holds her Computer & Communication Engineering Diploma and her Research Master in Artificial Intelligence from the Lebanese University, Tripoli, Lebanon.

She is currently in her second year of her PhD in Automotive Cybersecurity studies at the doctoral school Institut Polytechnique de Paris University, EDIPParis.

Natasha cares about human personal safety, hence her research centers around the use of Artificial Intelligence techniques to detect cyberattacks on connected cars.

She is part of the academic team of the research chair "Connected Cars & Cybersecurity" (C3S) launched by Télécom Paris and partnered with Nokia, Renault, Thales, Valeo and Wavestone.

Alongside her phd, she is greatly interested in Artificial Intelligence, not because she has any answers but because he has lots of questions.



NARJES NALOUTI

Data Scientist | MLOps @ Crédit du Nord

She has been working as a Data Scientist at Groupe Crédit du Nord (a French bank that belongs to the group Société Générale) since last year, and her job focuses on Customer Knowledge.

Her major mission is to develop machine learning models to predict customer behaviour and implement recommending systems to propose accurate business propositions to customers.

She also provides multiple studies to marketing teams to improve their understanding of customers and their banking needs.

She graduated 4 years ago with a Master degree in Machine Learning for Data Sciences from Université Paris Descartes. She had several experiences in different industries, such as cosmetic products (L'Oréal) and food industry (Danone), and worked on different types of data. She also obtained a DevOps engineering certificate.

She is passionate about Machine Learning and its applications, and she strongly believes that diversity and gender equality are key to success.



ELISE KHALEGHY

Tech Transformation Program Manager @ L'Oréal

Elise Khaleghy Bayegy joined the L'Oréal group as a Beauty Tech Program Manager in April 2019.

After a master's in Applied Mathematics from the ESILV engineering school, Elise started her career in IT with a strong focus on data, UX design and product.

Passionate about bringing innovation to companies, she focused herself on renovation & innovation programs applied to tech problematics and specialized at HEC Paris in strategy and large-scale transformation programs.

She, then, piloted the launch Big Data & Analytics Program for Ipsen, a French pharmaceutical company. Her aim was to support Ipsen's transformation into a BioTech company with a strong data strategy and to ensure its growth with key value-added data science projects.

She is now working at the Beauty Tech Accelerator at L'Oréal and contributes actively to the strategy of the group by supporting AI and data programs and leveraging agility & product approaches.



ELODIE DELLIER

DataScientist @Octo

Early 2019, backed by 6 years of experience in Computer Vision applied to various sectors (Sorting postal, Robotic, Video-surveillance, road video surveillance and digitization of documents), Elodie DELLIER joined Octo Technology within the Augmented Industry of the Science@Scale group to develop an offer of Visual Inspection.

She has a strong record in various industries and working environments, both in Explorations, Proof of Concepts and Production pipelines.

At Octo, her current mission contributes to developing supervised and unsupervised learning models based on all types of data (Images, Video, signal, log ...) for different types of clients (pharmaceutics, Oil industry company, French Government Ministry, Telecom).

She joined the trainers of the Academy of Octo, OCAC which offers various training courses on Data Science.

Passionate about mathematics and computer science, she is graduated from Rouen University with a master's in computer science with specialization in Image Processing in 2013.



JULIETTE LEMAINS

Data Scientist @Meetic

Data Scientist at Meetic for almost 2 years, Juliette works within the product team on the construction of matching algorithms around user data and on internal studies in order to better personalise the customer experience.

After an MP/MPSI preparatory course, she spent 3 years at INSA Rouen in Mathematical Engineering, including 3 months in London as a robotics intern and 6 months in a service company as a Data Scientist.

With her engineering degree in hand, she had several opportunities to join companies directly as a Data Scientist but she felt that something was missing.

So she did an MBA Chief Data Officer (at ESG Paris) which combined Data Science and Marketing. This intense year taught her how to value her work and above all how to apply it.

She did this master's degree as a work-study student at Disneyland Paris where she worked on prediction models to optimise the park's staffing.



CÉCILE PEREIRA

Data Science & AI Research Scientist @ Total

Cécile Pereira is a research scientist in the digital domain, working for Total CSE, Data Science & AI team at Saclay. Her current research focus on the development of new products and materials. She is strongly involved in the computational chemistry project and she is co-supervising the machine learning part of an international project on CO2 capture (10 postdoc involved).

Prior to joining Total as a researcher in 2020, Cécile has been a Project Manager at EURA NOVA, a French startup performing research in machine learning. There, she was in charge of the biomedical division.

Before that, she was a postdoctoral researcher at the university of Florida, developing Natural Language Processing methods to collect information on non-model organisms. She holds a BSc in Biology and a MSc and PhD degree in Computational Biology from the University of Paris-Saclay.



MONA MOKART

Student in Master 1 of Data Science at Télécom Paris

Mona is a second year student at Telecom Paris, in Master 1 of Data Science and Image Processing.

In her major, she is learning database processing, statistical models, optimization and various Machine Learning techniques.

During her second year at Télécom Paris she discovered the desire to work and specialize in data analysis and science.

Her current project is to do a one-year internship in this field.



AMIRA BEN HAMIDA

Circular Economy Project Director @ IRTSystemX

Amira have joined the realm of data science as a project director of multidisciplinary projects for Smart Cities applications in Energy, Mobility, and Territory Planning domains.

After a 4-years experience as a research engineer in ICT and Service-oriented architectures, Amira has joined the Technological Research Institute SystemX in 2014.

Her main activities are in urban planning, human and environmental centered innovation for cities, machine-learning and disruptive technologies for a valuable decision support. Amira is constantly on the lookout for innovative business models with the potential for profound social and ecological impacts.

From 2019 Amira took the lead in the construction of the institute roadmap for the Circular Economy and the Ecological Transition domains. She actively participates to the animation of the academic and industrial ecosystems, and the creation of collaborative French and European projects.

Amira holds a a PHD degree in computer Science from INSA Lyon in pervasive computing and ambient intelligence, where she designed and implemented a contextual service-loader for constrained devices.



CAMILLE RUPPLI

PhD Candidate @ Incepto Medical and Telecom Paris

Camille is a first year PhD student at Telecom Paris and Incepto Medical, a startup co-creating and distributing AI solutions for radiology.

Before starting her PhD she received an engineer degree from Telecom Paris where she specialized in Data Science and Image Processing. She quickly draw an interest for biomedical imaging and its application with AI.

During her third year at Telecom, she did a master in Biomedical Engineering at the university of Columbia where she discovered academic research working in Heffner Biomedical Imaging Lab on feature extraction on brain MRI.

She, then, did a research internship at Imperial College in the ITMAT Data Science Group working on prediction of relapse in addictive patients from functional MRI of the brain.

She started working at Incepto in October 2019 where she had the opportunity to discover various projects before starting her PhD.

Her research is focusing on finding methods to optimize annotation costs in medical imaging.



ANNABELLE BLANGERO

Biography coming soon

KHADIDIATOU TOURE

Student - statistics and business intelligence - Alioune DIOP University (Senegal)

Khadidiatou TOURE, Senegalese student, specializing in statistics and business intelligence from Alioune DIOP University (UAD) in the mathematics department. Passionate about this field, she tries to perfect herself to become a great data scientist. she likes to share her knowledge to acquire more.



LAURENCE DEVILLERS

Professor in AI at Sorbonne University / Chair AI HUMAINE @ CNRS-LISN (Saclay) : HUMAN_MACHiNE Affective Interaction & Ethics / Member CNPEN & GPAI

Laurence Devillers is a full Professor of Artificial Intelligence at Sorbonne University and head the team of research "Affective and social dimensions in Spoken interaction with (ro)bots: ethical issues" (since 2004) at CNRS-LISN.

Since 2020, she heads the interdisciplinary Chair on Artificial Intelligence HUMAINE : HUMAN-MACHiNE Affective Interaction & Ethics (2020-24) at CNRS (<http://humaine-chaireia.fr>).

Her topics of research are Human-Machine Co-evolution: from the modeling of emotions and human-robot dialogue to the ethical impacts for society and the risks and benefits of AI.

She is member of National Comity Pilot on Ethics of Numeric (CNPEN) working on conversational Agents, AI and Ethics. She is also an expert member of the GPAI on "the future of work" since June 2020 (international group).

In March 2020, she wrote the book "Les robots émotionnels" (Ed. L'Observatoire) and in March 2017 "Des Robots et des Hommes: mythes, fantasmes et réalité" (Ed. Plon) for explaining the urgency of building Social and Affective Robotic Systems with Ethics by design.



BEATRICE BIANCARDI

*Postdoctoral researcher in Social Computing
@Télécom Paris and IMT Atlantique*

After graduating at the University of Trento, Italy, Beatrice Biancardi arrived in Paris to pursue her PhD in Human-Machine Interaction, that she obtained in 2019 from Sorbonne University (ISIR laboratory). She actually works as a postdoctoral researcher in the context of the InterCarnot M.I.N.E.S – TSN Project AI4SoftSkills, between the Department of Image, Data and Signal at Télécom Paris (IP Paris) and IMT Atlantique, Nantes.

Her research interests include the development of computational models of social behaviours by using social signal processing to understand, interpret and predict human behaviour during human-human and human-machine interaction.

She strongly believes in the importance of interdisciplinary collaboration and sharing data between researchers. To this end, she organises CATS2021, an International Workshop on Corpora And Tools for Social skills annotation, whose goal is to foster new collaborations towards the creation of standards and practices that could facilitate the exploitation of existing data for multi-modal behaviour analysis.



MAGALI BODEUX

Manager Advanced Analytics @ IBA (Ion Beam Application)

Magali works at IBA, a Belgian company active in proton therapy, where she leads the advanced analytics team. She set up the team and the strategy when joining IBA 3 years ago with the goal to support the organization with data. The team is now composed of data scientists, data engineers and software engineers.

Prior to IBA, Magali worked at Tesla in California for 3 years. She started there as a senior analyst in the delivery team before getting additional responsibilities and eventually leading the delivery analytics team. She also spent time at Total and Accenture beforehand.

Magali holds an Engineering degree in Applied Mathematics from the Université de Louvain-La-Neuve in Belgium, a Master of Business Administration from MIT and a Master of Public Administration from Harvard.



EMELYNE GUILLET

Data Scientist @ Janssen

In June 2018, backed by more than 10 years of experience in Data applied to various sectors (SSII, Telecommunications, Retail), Emeline joined Janssen, a pharmaceutical company of Johnson & Johnson, within the Excellence Center for Data & Digital.

As background information, in 2007, after her graduation, she joined a SSII (IT services company) where she had several Data missions: update of pricing tools at ERDF, score and segmentation improvements at MRM WORLDWIDE, and responsible for the construction of a Datamart dedicated for analysis at SFR. In 2009, Emeline joined BOUYGUES TELECOM as a performance analyst where she was responsible for studies and monitoring of customer churn.

Between 2010 and 2018, she held 2 different positions at SEPHORA: first as a Data Analyst and second as a senior marketing researcher. These experiences allowed Emeline to process large volumes of data, both quantitative and qualitative; she analyzed, processed, and valued Data.

From June 2018 onwards, as a Data Scientist at JANSSEN, she is responsible for providing analysis and implementing algorithms that contribute to the understanding of individual preferences and behaviors of healthcare professionals, which facilitates adaptation and personalization of communications and services provided to them.

She provides analysis and algorithms to influence and adjust the tactical implementation of the omnichannel strategy related to the therapeutic areas. She uses her expertise to provide data-driven insights in order to answer key questions in therapeutic areas.



Passionate about statistics, mathematics, and Machine Learning, Emeline is double graduated: from ENSAI (National School for Statistics and Information Analysis) at Rennes and the University of Poitiers STID "Statistics and Data Processing".

JESSICA MANGANOTTI

Second year Ph.D. student @ Inria Saclay Île-de-France – Institut Polytechnique de Paris

Jessica joined the Inria team M3DISIM in 2018 as an intern to work on her master thesis about reduced-order cardiovascular modeling. She is a Biomedical Engineer of Politecnico of Milan and she has a master degree in Biomechanics and Biomaterials Engineering, she also spent a semester at the Université de Technologie de Compiègne for an Erasmus program.

After her graduation in Milan in 2019 she started her Ph.D. at Inria to work on a project that mix Applied Mathematics and Biomechanics. What she find really exciting about her work is that mathematics meets medicine in order to provide new and reliable solutions to real and concrete problems, this involves a strong collaboration and a continuous communication with medical doctors. It is important that these two realities start to speak the same language because I believe that the use of data has a strong potential to improve the future of medicine.



YOSR MHIRI

Chief product Officer @ yzr

Yosr is 30 years old and she works at yzr (a French IA startup) !

After her engineering studies at Supélec, she wanted to start her career in the data field. That's why she joined Artefact (Digital & data agency). She worked for several corporate clients on data projects and she managed a team of data scientists, engineers and other consultants.

Afterwards, she discovered Product Management. So she joined the Artefact product team to manage

development of internal tools. Her main objective was to imagine and create products based on IA to deliver value for marketers;

Now, she co-founded yzr, a startup specialised in data normalization and data quality. Their goal is to create a SaaS that automates all manual data homogenization operations.





Télécom Paris is one of the top four engineering schools in France for training general engineers. Recognized for its close ties with businesses, this public graduate school ensures excellent employment prospects in all industries and is considered the number-one engineering school for digital technology. With its top-level innovative teaching, Télécom Paris is at the center of a unique innovation ecosystem, drawing on the interaction and cross-disciplinary nature of the school's academic programs, interdisciplinary research, two business incubators and its campuses (Palaiseau and Sophia Antipolis – EURECOM). Its LTCI laboratory has been recognized by HCERES as an outstanding unit in the field of digital sciences for its international reputation and exceptional number of initiatives supporting the socio-economic world and industry, as well as for its great contribution to teaching.

A founding member of Institut Polytechnique de Paris and an IMT (Institut Mines-Télécom) school, Télécom Paris is positioned as the college for digital innovation on the Paris-Saclay Campus.



About Total

Total is a major energy player that produces and markets fuels, natural gas and low-carbon electricity. Our 100,000 employees are committed to better energy that is safer, more affordable, cleaner and accessible to as many people as possible. Active in more than 130 countries, our ambition is to become the responsible energy major.

About Total Research and Development

Total is deploying an ambitious R&D program, worth nearly \$1 billion a year. Total R&D relies on a network of more than 4,300 employees in 18 research centers around the world, as well as on numerous partnerships with universities, start-ups and industrial companies. Its investments are mainly devoted to a low-carbon energy mix (40%) as well as to digital, safety and environment, operational efficiency and new products. It files more than 200 patents every year.



Inria is the French national research institute for digital science and technology. World-leading research and technological innovation are an integral part of its DNA. Inria's 3,500 researchers and engineers put their passion for digital technology to work in nearly 200 project teams, most of which are joint teams with our academic partners, including major research universities and the CNRS. They explore new fields, often in collaboration with different disciplines and industrial partners, with the aim of meeting ambitious challenges.

As a technology institute, Inria supports the development of numerous software products, sometimes making a global impact via the opensource model. Because technology start-ups are powerful channels for research outcomes, Inria also supports entrepreneurial risk-taking and start-up creation (Deeptech). Firmly established on major university campuses and in industrial ecosystems, the Institute is at the heart of the digital revolution.



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