

Flavio Giobergia

Assistant Professor @ Politecnico di Torino

Work experience

- Assistant Professor - **Politecnico di Torino**
 - Turin, Italy
 - May 2024 - Present
- Postdoctoral Researcher - **Politecnico di Torino**
 - Turin, Italy
 - January 2023 - April 2023
- PhD Student - **Politecnico di Torino**
 - Turin, Italy
 - November 2019 - December 2022
- Associate IT Architect - **IBM**
 - Milan, Italy
 - November 2017 - March 2019
- Cloud computing intern - **Fermi National Accelerator Laboratory (Fermilab)**
 - Batavia, Illinois, USA
 - July 2016 - September 2016
- Web developer intern - **Berkman Klein Center for Internet & Society, Harvard University**
 - Cambridge, Massachusetts, USA
 - June 2014 - August 2014

Education

- PhD in Computer and Control Engineering (2019 - 2023)
 - **Politecnico di Torino**
 - Thesis title: “Machine Learning with Limited Label Availability: Algorithms and Applications”
- MSc in Computer Engineering (2015 - 2017)
 - **Politecnico di Torino**
 - Grade: 110/110
 - Thesis title: “Data mining in the automotive industry for predictive maintenance”
- Alta Scuola Politecnica (ASP) Program (2015 - 2017)
 - **Politecnico di Torino and Politecnico di Milano**
 - Participant to the ASP interdisciplinary honors program for selected students
- MSc in Computer Engineering (2015 - 2017)
 - **Politecnico di Milano**
 - Complementary degree awarded through Alta Scuola Politecnica’s dual degree program, upon successful achievement of the goals set by ASP
- BSc in Computer Engineering (2012 - 2015)
 - **Politecnico di Torino**
 - Grade: 110/110

Invited Talks

- Urban Promo - Convegno Scientifico Società Italiana di Estimo e Valutazione. Event: INTELLIGENZA ARTIFICIALE: IMPATTI POTENZIALI E NUOVE PROSPETTIVE NEL CAMPO DELL’ESTIMO E DELLA VALUTAZIONE (PRIMA PARTE). Title: *A primer in Machine Learning and Generative AI*. Florence, Italy, 08/11/2024
- Banca d’Italia. Event: Workshop su AI e il contrasto alla criminalità finanziaria. Title: *Il monitoraggio delle transazioni: sfide operative e risposte dell’AI*. Rome, Italy, 29/05/2025

- ITADATA - 4th Italian Conference on Big Data and Data Science. Event: Anti-Financial Crime Digital Hub tutorial. Title: *Anomaly Detection of Suspicious Financial Accounts*. Turin, Italy, 11/09/2025
- . Event: Seminario Anti-Financial Crime Digital Hub. Title: *Apprendere dai dati sequenziali: tecniche e applicazioni*. online, 05/04/2024
- tuttosoldi - Festa dell'Educazione Finanziaria. Event: . Title: *Pagamenti Digitali, Truffe e Fuffaguru*. Turin, Italy, 24/10/2025

Activities

- *Program Committee*, IEEE ICDM (International Conference on Data Mining) (2025)
- *Program Committee*, ECML PKDD 2025 - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (2025)
- *Program Committee* (“Commendable reviewer”), KDD 2025 - Datasets and Benchmarks Track - 31st SIGKDD Conference on Knowledge Discovery and Data Mining (2025)
- *Web chair*, MUM 2025 - 24th International Conference on Mobile and Ubiquitous Multimedia (2025)
- *Program Committee*, The Workshop on AI in Big Data Analytic for Healthcare @ IEEE BigData 2025 - 2025 IEEE International Conference on Big Data (2025)
- *Workshop Chair*, AI4FCF 2025 - 2nd Workshop on AI for Financial Crime Fight @ IEEE ICDM 2025 - International Conference on Data Mining (2025)
- *Workshop Chair*, WIPE-OUT 2025 - Workshop on Innovations, Privacy-preservation, and Evaluations Of machine Unlearning Techniques @ ECML PKDD 2025 - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (2025)
- *Program Committee*, IEEE ICDM (International Conference on Data Mining) (2024)
- *Program Committee*, 8th International workshop on Data Analytics solutions for Real-Life APplications @ EDBT ICDT 2024 (2024)
- *Program Committee*, PAKDD 2024 - The 28th Pacific-Asia Conference on Knowledge Discovery and Data Mining (2024)
- *Program Committee*, MCMI - Workshop on Multi- and Cross-Modal Information for Enhanced Pattern Recognition @ ICPR 2024 - International Conference on Pattern Recognition (2024)
- *Program Committee*, KDD 2024 - Research Track - 30th SIGKDD Conference on Knowledge Discovery and Data Mining (2024)
- *Program Committee*, The Workshop on AI in Big Data Analytic for Healthcare @ IEEE BigData 2024 - 2024 IEEE International Conference on Big Data (2024)
- *Workshop Chair*, AI4FCF 2024 - 1st Workshop on AI for Financial Crime Fight @ IEEE ICDM 2024 - International Conference on Data Mining (2024)
- *Web and Publicity Chair*, First Special Day on Artificial Intelligence for Financial Crime Fight @ ECML PKDD 2023 (2023)
- *Social Media and Publicity Chair*, ECML PKDD 2023 (2023)
- *Program Committee*, IEEE ICDM (International Conference on Data Mining) (2023)
- *Program Committee*, 7th International workshop on Data Analytics solutions for Real-Life APplications @ EDBT ICDT 2023 (2023)
- *Program Committee*, ECML PKDD 2023 - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (2023)

- *Program Committee*, The Workshop on AI in Big Data Analytic for Healthcare @ IEEE BigData 2023 - 2023 IEEE International Conference on Big Data (2023)
- *Program Committee*, IEEE ICDM (International Conference on Data Mining) (2022)

Patents

- *Method and system for predicting system status*. Applicant: GM Global Technology Operations LLC. Inventors: Alessandra Neri, Maria Camuglia, Alessia Tuninetti, Elena Baralis, Flavio Giobergia, Davide Tricarico. Status: Granted (Patent Number: US11423321B2)

Projects

- *Principal Investigator*. Project: “MAD - Standard Banking”, partner: Anti Financial Crime Digital Hub (2025)
- *Collaborator*. Project: “MAD - Digital Banking”, partner: Anti Financial Crime Digital Hub (2025)
- *Collaborator*. Project: “MAD - Multicriteria Anomaly Detection”, partner: Anti Financial Crime Digital Hub (2024)
- *Principal Investigator*. Project: “Survey, AI for Anti Financial Crime”, partner: Anti Financial Crime Digital Hub (2024)
- *Principal Investigator*. Project: “ImEDA - Improving Efficiency in Detection Analysis”, partner: Anti Financial Crime Digital Hub (2023/24)
- *Collaborator*. Project: “Hidden Risk”, partner: Intesa Sanpaolo, Intesa Sanpaolo Innovation Center (2022/23)
- *Collaborator*. Project: “Subsystem selection and preliminary data and Preventive diagnostic models”, partner: General Motors (2016/17)

Teaching activities

- *Main lecturer*. **Information Tools and Skills for Business** (Pre-master year, Master in Management, ESCP Business School). 24 hours (A.Y. 2025/26)
- *Main lecturer*. **Data Science and Machine Learning Lab** (MSc, Data Science and Engineering, Politecnico di Torino). 54.0 hours (A.Y. 2025/26)
- *Main lecturer*. **Data mining concepts and algorithms** (PhD course, Politecnico di Torino). 14 hours (A.Y. 2025/26)
- *Teaching assistant*. **Large Language Models for Software Engineering** (MSc, Computer Engineering, Politecnico di Torino). 21 hours (A.Y. 2024/25)
- *Main lecturer*. **Information Tools and Skills for Business** (Pre-master year, Master in Management, ESCP Business School). 24 hours (A.Y. 2024/25)
- *Main lecturer*. **Data mining concepts and algorithms** (PhD course, Politecnico di Torino). 14 hours (A.Y. 2024/25)
- *Main lecturer*. **Data Science Lab: process and methods** (MSc, Data Science and Engineering, Politecnico di Torino). 54.0 hours (A.Y. 2024/25)
- *Main lecturer*. **Large Language Models** (MSc, Computer Engineering, Politecnico di Torino). 31.5 hours (A.Y. 2024/25)
- *Co-lecturer*. **Data Mining per Dati Sperimentali** (MSc, Intelligenza Artificiale e Innovazione Digitale, Università del Piemonte Orientale). 48 hours (A.Y. 2023/24)

- *Teaching assistant. Business intelligence per big data* (MSc, Engineering Management, Politecnico di Torino). 15 hours (A.Y. 2023/24)
- *Teaching assistant. Data Science Lab: process and methods* (MSc, Data Science and Engineering, Politecnico di Torino). 27.0 hours (A.Y. 2023/24)
- *Teaching assistant. Transport systems and data analytics* (MSc, Civil Engineering, Politecnico di Torino). 21.0 hours (A.Y. 2023/24)
- *Co-lecturer. Data Mining per Dati Sperimentali* (MSc, Intelligenza Artificiale e Innovazione Digitale, Università del Piemonte Orientale). 48 hours (A.Y. 2022/23)
- *Teaching assistant. Data Science Lab: process and methods* (MSc, Data Science and Engineering, Politecnico di Torino). 42.0 hours (A.Y. 2022/23)
- *Teaching assistant. Data Science e Tecnologie per le Basi di Dati* (MSc, Computer Engineering, Politecnico di Torino). 18 hours (A.Y. 2022/23)
- *Teaching assistant. Data Science Lab: process and methods* (MSc, Data Science and Engineering, Politecnico di Torino). 34.5 hours (A.Y. 2021/22)
- *Teaching assistant. Data Science e Tecnologie per le Basi di Dati* (MSc, Computer Engineering, Politecnico di Torino). 21 hours (A.Y. 2021/22)
- *Teaching assistant. Data Science Lab: process and methods* (MSc, Data Science and Engineering, Politecnico di Torino). 32 hours (A.Y. 2020/21)
- *Teaching assistant. Data Science e Tecnologie per le Basi di Dati* (MSc, Computer Engineering, Politecnico di Torino). 28 hours (A.Y. 2020/21)
- *Teaching assistant. Data Science Lab: process and methods* (MSc, Data Science and Engineering, Politecnico di Torino). 30 hours (A.Y. 2019/20)
- *Teaching assistant. Data Science e Tecnologie per le Basi di Dati* (MSc, Computer Engineering, Politecnico di Torino). 28 hours (A.Y. 2019/20)

Other teaching-related activities

- *Lecturer. Samsung Innovation Campus* (Camplus College - Fondazione C.E.U.R., Samsung). 8 hours, in 2023
- *Tutor. Informatica* (Camplus College - Fondazione C.E.U.R.). 13.75 hours, in 2022/23
- *Tutor. Algoritmi e strutture dati* (Camplus College - Fondazione C.E.U.R.). 2.75 hours, in 2022/23
- *Lecturer. Samsung Innovation Campus* (Camplus College - Fondazione C.E.U.R., Samsung). 16 hours, in 2022
- *Tutor. Informatica* (Camplus College - Fondazione C.E.U.R.). 12.5 hours, in 2021/22
- *Lecturer. Architetture di gestione dati e strutture Data Base per applicazione a Use Case specifici per AMET (Skillab)*. 8 hours, in 2019
- *(Student) teaching assistant. Databases, Computer Networks, Computer science* (BSc, Computer Engineering) (Politecnico di Torino). 80 hours, in 2015/16

Publications

- Giobergia, Flavio and Pastor, Eliana and de Alfaro, Luca and Baralis, Elena. *Detecting interpretable subgroup drifts* (2025). Proceedings of the 31st ACM SIGKDD Conference on Knowledge Discovery and Data Mining V. 1

- Koudounas, Alkis and Savelli, Claudio and Giobergia, Flavio and Baralis, Elena. " *Alexa, can you forget me?*" *Machine Unlearning Benchmark in Spoken Language Understanding* (2025).
- Paoletti, Giordano and Giobergia, Flavio and Giordano, Danilo and Cagliero, Luca and Ronchiadin, Silvia and Moncalvo, Dario and Mellia, Marco and Baralis, Elena. *MAD: Multicriteria Anomaly Detection of Suspicious Financial Accounts from Billions of Cash Transactions* (2025). Proceedings of the 31st ACM SIGKDD Conference on Knowledge Discovery and Data Mining V. 2
- Giobergia, Flavio. *MINDS at SemEval-2025 Task 8: Question Answering Over Tabular Data via Large Language Model-generated SQL Queries* (2025). Proceedings of the 19th International Workshop on Semantic Evaluation (SemEval-2025)
- Savelli, Claudio and Koudounas, Alkis and Giobergia, Flavio. *MALTO at SemEval-2025 task 3: Detecting hallucinations in LLMs via uncertainty quantification and larger model validation* (2025). Proceedings of the 19th International Workshop on Semantic Evaluation (SemEval-2025)
- Giobergia, Flavio and Savelli, Claudio and Koudounas, Alkis and Baralis, Elena and others. *Quantum feature selection from interpretable models using QUBO formulation* (2025).
- Fulcini, Tommaso and Coppola, Riccardo and Giobergia, Flavio and Changizi, Amirali and Dashti, Meelad and Dorrani, Kimia and Amalfitano, Domenico and Distante, Damiano and Ricca, Filippo and others. *Enhancing Software Maintainability through LLM-Assisted Code Refactoring* (2025). 26th International Conference on Product-Focused Software Process Improvement (Profes)
- Monaco, Simone and Bussola, Nicole and Butt{o}, Sara and Sona, Diego and Giobergia, Flavio and Jurman, Giuseppe and Xinaris, Christodoulos and Apiletti, Daniele. *AI models for automated segmentation of engineered polycystic kidney tubules* (2024).
- Borra, Federico and Savelli, Claudio and Rosso, Giacomo and Koudounas, Alkis and Giobergia, Flavio. *Malto at semeval-2024 task 6: Leveraging synthetic data for llm hallucination detection* (2024). Proceedings of the 18th International Workshop on Semantic Evaluation (SemEval-2024)
- Cancedda, Christian and Cappellato, Alessio and Maninchedda, Luigi and Meacci, Leonardo and Peracchi, Sofia and Salerni, Claudia and Baralis, Elena and Giobergia, Flavio and Ceri, Stefano. *Social and economic variables explain COVID-19 diffusion in European regions* (2024).
- Koudounas, Alkis and Giobergia, Flavio. *Houston we have a divergence: A subgroup performance analysis of asr models* (2024). 2024 IEEE International Conference on Acoustics, Speech, and Signal Processing Workshops (ICASSPW)
- Poeta, Eleonora and Giobergia, Flavio and Pastor, Eliana and Cerquitelli, Tania and Baralis, Elena. *A benchmarking study of kolmogorov-arnold networks on tabular data* (2024). 2024 IEEE 18th International Conference on Application of Information and Communication Technologies (AICT)
- Giobergia, Flavio and Pastor, Eliana and de Alfaro, Luca and Baralis, Elena. *A Synthetic Benchmark to Explore Limitations of Localized Drift Detections* (2024). International Workshop on Discovering Drift Phenomena in Evolving Landscapes
- Koudounas, Alkis and Giobergia, Flavio and Baralis, Elena. *Ex (o) plain: Subgroup-level analysis of exoplanet atmospheric parameters* (2024).
- Koudounas, Alkis and Giobergia, Flavio and Pastor, Eliana and Baralis, Elena. *A Contrastive Learning Approach to Mitigate Bias in Speech Models* (2024). Proc. Interspeech 2024
- Savelli, Claudio and Giobergia, Flavio. *Enhancing Cross-Lingual Word Embeddings: Aligned Subword Vectors for Out-of-Vocabulary Terms in fastText* (2024). 2024 IEEE 18th International Conference on Application of Information and Communication Technologies (AICT)
- Giobergia, Flavio and Koudounas, Alkis and Baralis, Elena. *Large Language Models-aided Literature Reviews: A Study on Few-Shot Relevance Classification* (2024). 2024 IEEE 18th International Conference on Application of Information and Communication Technologies (AICT)

- Tornago, M and Giobergia, F and Menzio, L and Siviero, F and Arcidiacono, R and Cartiglia, N and Costa, M and Ferrero, M and Gioachin, G and Mandurrino, M and others. *Silicon sensors with resistive read-out: Machine Learning techniques for ultimate spatial resolution* (2023).
- Koudounas, Alkis and Giobergia, Flavio and Benedetto, Irene and Monaco, Simone and Cagliero, Luca and Apiletti, Daniele and Baralis, Elena and others. *baptti at geolingt: Beyond boundaries, enhancing geolocation prediction and dialect classification on social media in italy* (2023). CEUR workshop proceedings
- Giobergia, Flavio. *Giobergia at Multi-Task Transformer Tuning for Joint Conspiracy Theory Detection and Classification*. (2023). EVALITA
- Giobergia, Flavio and Koudounas, Alkis and Baralis, Elena. *Reconstructing atmospheric parameters of exoplanets using deep learning* (2023). 2023 IEEE 17th International Conference on Application of Information and Communication Technologies (AICT)
- Koudounas, Alkis and Giobergia, Flavio and Baralis, Elena. *Bad exoplanet! explaining degraded performance when reconstructing exoplanets atmospheric parameters* (2023). NeurIPS 2023 AI for Science Workshop
- Giobergia, Flavio and Baralis, Elena. *Late Fusion-based Distributed Multimodal Learning* (2023). 2023 IEEE International Conference on Big Data (BigData)
- Neri, Alessandra and Camuglia, Maria and TUNINETTI, Alessia and Baralis, Elena and Giobergia, Flavio and Tricarico, Davide. *Method and system for predicting system status* (2022).
- Giordano, Danilo and Giobergia, Flavio and Pastor, Eliana and La Macchia, Antonio and Cerquitelli, Tania and Baralis, Elena and Mellia, Marco and Tricarico, Davide. *Data-driven strategies for predictive maintenance: Lesson learned from an automotive use case* (2022).
- Siviero, Federico and Giobergia, Flavio and Menzio, Luca and Miserocchi, Filippo and Tornago, Marta and Arcidiacono, Roberta and Cartiglia, Nicolo' and Costa, Marco and Ferrero, Marco and Gioachin, G and others. *First experimental results of the spatial resolution of RSD pad arrays read out with a 16-ch board* (2022).
- Giobergia, Flavio and Baralis, Elena. *Reclaim: Reverse engineering classification metrics* (2022). 2022 IEEE Fifth International Conference on Artificial Intelligence and Knowledge Engineering (AIKE)
- Pasini, Andrea and Giobergia, Flavio and Pastor, Eliana and Baralis, Elena. *Semantic image collection summarization with frequent subgraph mining* (2022).
- Koudounas, Alkis and Giobergia, Flavio and Baralis, Elena. *Time-of-flight cameras in space: Pose estimation with deep learning methodologies* (2022). 2022 IEEE 16th International Conference on Application of Information and Communication Technologies (AICT)
- Giobergia, Flavio. *Triplet Losses-based Matrix Factorization for Robust Recommendations* (2022). Proceedings of the CIKM 2022 Workshops
- Giordano, Danilo and Pastor, Eliana and Giobergia, Flavio and Cerquitelli, Tania and Baralis, Elena and Mellia, Marco and Neri, Alessandra and Tricarico, Davide. *Dissecting a data-driven prognostic pipeline: A powertrain use case* (2021).
- Giobergia, Flavio and Cagliero, Luca and Garza, Paolo and Baralis, Elena. *Cross-Lingual Propagation of Sentiment Information Based on Bilingual Vector Space Alignment*. (2020). EDBT/ICDT Workshops
- Attanasio, Giuseppe and Giobergia, Flavio and Pasini, Andrea and Ventura, Francesco and Baralis, Elena and Cagliero, Luca and Garza, Paolo and Apiletti, Daniele and Cerquitelli, Tania and Chiusano, Silvia. *DSLE: a smart platform for designing data science competitions* (2020). 2020 IEEE 44th Annual Computers, Software, and Applications Conference (COMPSAC)
- Montoro, Lorenzo. *Cross-Lingual Sentiment Analysis* (2020).

- Giobergia, Flavio and Baralis, Elena. *Fast self-organizing maps training* (2019). 2019 IEEE International Conference on Big Data (Big Data)
- La Macchia, Antonio. *Data Analysis for Predictive Maintenance in the Automotive Industry* (2019).
- Giobergia, Flavio and Baralis, Elena and Camuglia, Maria and Cerquitelli, Tania and Mellia, Marco and Neri, Alessandra and Tricarico, Davide and Tuninetti, Alessia. *Mining sensor data for predictive maintenance in the automotive industry* (2018). 2018 IEEE 5th International Conference on Data Science and Advanced Analytics (DSAA)
- Giobergia, Flavio and Baralis, Elena and Camuglia, Maria and Neri, Alessandra and Tricarico, Davide and Tuninetti, Alessia and others. *Method and System for Predicting System Status* (2018).
- Giobergia, Flavio. *Data mining in the automotive industry for predictive maintenance* (2017).

MSc students supervised

2025

- TORTONE ALESSIA 14/03/2025 (Inferenza bayesiana per l'inverse modeling dello spettro atmosferico di esopianeti)
- LONGO MARIA ANTONIETTA 14/03/2025 (A Synthetic Data Generation Approach for Subgroup-Based Bias Mitigation in Structured Data)
- GIANUSSO FABIO 18/07/2025 (Generation of Synthetic Tabular Data for Controlled Machine Unlearning)
- BUGNI DUCH SIMONE 25/07/2025 (Application of Large Language Models in Software Testing: An Analysis of Method-Level Bug Detection)
- CARLINO MATTIA 21/10/2025 (Exploring Domain-Adapted LLMs for Crash Narrative Information Extraction)
- LA CIURA ALESSANDRO 21/10/2025 (Unsupervised Learning Models for Anomaly Detection in Digital Banking Accounts)
- ROMEO ALESSANDRO 21/10/2025 (Rilevamento e Mitigazione di Allucinazioni in Large Language Models)
- SGROI LEONARDO 21/10/2025 (Integrating Multi-Modal Reasoning and Explainable AI for Dermatological Image Analysis via LLM-Orchestrated Toolchains)

2024

- SAVELLI CLAUDIO 26/07/2024 (Bad Teaching in Machine Unlearning with Similarity-based Sampling)
- MARIGIOLI FRANCESCO 26/07/2024 (Real-Time Human Detection in World Rally Championship for danger recognition system)
- CHIARTANO STEFANO 31/10/2024 (Word Embedding applications for Anomaly Detection in financial data)
- BRACCI JACOPO 31/10/2024 (Language and Vision models for PET Assisted Reporting)

2023

- PALMERI MARIO GABRIELE 15/12/2023 (Anomaly Detection for Anti-Financial Crime)
- DE GIROLAMO PATRIZIO 27/10/2023 (Unsupervised Outlier Detection from Financial Transaction Data)
- DE CRISTOFARO JACOPO 27/10/2023 (Cluster Analysis of Financial Transaction Data)

2019

- LA MACCHIA ANTONIO 18/12/2019 (Data Analysis for Predictive Maintenance in the Automotive Industry)

Attended conferences

- 31st ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD 2025) (2025) @ Toronto, Canada
- IJCAI 2025 - 35th International Joint Conference on Artificial Intelligence (2025) @ Montreal, Canada
- Conference and Labs of the Evaluation Forum (2025) @ Madrid, Spain (online)
- 2024 IEEE 18th International Conference on Application of Information and Communication Technologies (AICT) (2024) @ Turin, Italy
- 30th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD 2024) (2024) @ Barcelona, Spain
- IEEE International Conference on Data Mining (ICDM 2024) (2024) @ Abu Dhabi, UAE
- ECML PKDD 2023 - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (2023) @ Turin, Italy
- EVALITA 2023 - 8th Evaluation of NLP and Speech Tools for Italian (2023) @ Parma, Italy
- 2023 IEEE International Conference on Big Data (BigData) (2023) @ Sorrento, Italy
- 2022 IEEE Fifth International Conference on Artificial Intelligence and Knowledge Engineering (AIKE) (2022) @ Laguna Hills, CA, USA (online)
- CIKM 2022 - The 31st ACM International Conference on Information and Knowledge Management (2022) @ Atlanta, Georgia, USA (online)
- EDBT/ICDT 2020 Joint Conference (2020) @ Copenhagen, Denmark (online)
- 2019 IEEE International Conference on Big Data (Big Data) (2019) @ Los Angeles, CA, USA
- 2018 IEEE 5th International Conference on Data Science and Advanced Analytics (DSAA) (2018) @ Turin, Italy