CURRICULUM VITAE

Filippo Bistaffa

October 2024

Personal Information

- **Email:** filippo.bistaffa@gmail.com
- **Webpage:** https://filippobistaffa.github.io
- **ORCID:** 0000-0003-1658-6125
- **Web of Science ID:** AAA-4942-2020
- **SCOPUS ID:** 55516740200

Academic Positions

Since 12/2023	**Tenured Researcher** Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain
08/2019 – 11/2023	**Postdoctoral Research Fellow** Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain
06/2017 – 06/2019	**Marie-Curie Fellow** Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain
01/2016 – 06/2017	**Postdoctoral Research Fellow** Department of Computer Science, University of Verona, Verona, Italy

Biography

During my career, I have been focusing on the **multi-perspective study of Constrained Optimisation**, making **strong contributions to the state-of-the-art** both on **theoretical** and **practical** aspects and by tackling different **real-world domains**, such as collective energy purchasing, sustainable mobility, cooperative learning, high-performance computing, and AI-human value alignment. My work has been published in **36** articles, both in leading journals (**75%** of my journal articles are **Q1**) and top-level conferences (**80%** of my conference papers are **CORE A/A***). I received my PhD (Doctor Europæus) in April 2016 at the University of Verona with a thesis entitled "Constraint Optimisation Techniques for Real-World Applications", which was given the "Young Doctors Award" (Special Mention) by the Italian Association for AI (AIxIA). In 2017, I was awarded a **Marie Skłodowska-Curie Individual Fellowship** (the most prestigious post-doctoral fellowship at the European level), which I spent at the IIIA Institute of the Spanish National Research Council (CSIC). I have recently concluded leading (as the **Principal Investigator**) the AVI-IA project (privately funded by the ITBID S.L. company), which aims to implement an AI system that guides strategic decisions in purchasing processes by exploiting novel Constrained Optimisation techniques that I have developed. The resulting AI algorithms have been fully integrated into ITBID's commercial product with a Technology Readiness Level of 7 (https://bit.ly/avi-ia). I am currently a **CSIC Tenured Researcher** (*Cientifico Titular*) and I will shortly begin leading, as the **Principal Investigator** in collaboration with the CSIC's Unity of Institutional Intelligence (UNIN), a MOMENTUM project aimed at devising AI solutions for the CSIC's *Institutional Strategy*, i.e., to improve the efficiency of the data management and processes of the CSIC's administration through AI.

Indicators: **Google Scholar:** Citations: 616, h-index: 13, i10-index: 17
Scopus: Citations: 335, h-index: 10

Graduate Studies

04/2016 **Ph.D. (Doctor Europæus) Computer Science**, University of Verona
Thesis: Constraint Optimisation Techniques for Real-World Applications
Supervisor: Prof. Alessandro Farinelli
Special mention: Italian Association for AI (AIxIA) "Young Doctors Award" 2017

03/2012 **M.Sc. Engineering and Computer Science**, University of Verona
Thesis: Coalition Formation in the Energy Market with a Graphical Model Approach
Supervisor: Prof. Alessandro Farinelli

10/2009 **B.Eng. Computer Engineering**, University of Pavia
Thesis: Implementation of Network Lossy Links with Kernel Linux 2.6
Supervisor: Prof. Giuseppe Rossi

Participation in Research Projects

01/2025 – 12/2028 **Title:** AI for CSIC's Institutional Strategy and Data Management (AI-UNIN)
Position: Co-Principal Investigator, IIIA-CSIC, Barcelona, Spain
Funding: Momentum/MTDFP (160,000 euro)

10/2023 – 08/2026 **Title:** Advanced Computing Techniques to Achieve Sustainable Development (ACISUD)
Position: Tenured Researcher, IIIA-CSIC, Barcelona, Spain
Funding: MICINN (183,500 euro)

11/2022 – 05/2024 **Title:** Youth Marketplace Operational Research (YOMA OR)
Position: Tenured Researcher, IIIA-CSIC, Barcelona, Spain
Funding: Fondation Botnar (800,000 euro)

10/2021 – 10/2022 **Title:** An AI-Based System to Support Purchasing Processes (AVI-IA)
Position: Scientific Principal Investigator, IIIA-CSIC, Barcelona, Spain
Funding: Private Contract with ITBID Company (119,500 euro)

11/2020 – 10/2022 **Title:** High-Performance Optimisation for Artificial Collective Intelligence (HIMPACT)
Position: Principal Investigator, IIIA-CSIC, Barcelona, Spain
Funding: Spanish State Research Agency, AEI (10,000 euro)

06/2020 – 05/2023 **Title:** Computational Intelligence for Sustainable Development Goals (CI-SUSTAIN)
Position: Postdoctoral Research Fellow, IIIA-CSIC, Barcelona, Spain
Funding: MICINN (102,850 euro)

08/2019 – 09/2021 **Title:** Data Management Techniques for Real-Time Logistics Planning (LOGISTAR)
Position: Postdoctoral Research Fellow, IIIA-CSIC, Barcelona, Spain
Funding: H2020 (5,000,000 euro)

06/2017 – 06/2019 **Title:** Collectiveware: Highly-parallel Algorithms for Collective Intelligence (HPA4CF)
Position: Marie-Curie Fellow, IIIA-CSIC, Barcelona, Spain
Funding: H2020-MSCA-IF-2016 (158,121 euro)

01/2016 – 06/2017 **Title:** Development of AI Techniques for Sustainable Commuting (AI-SC)
Position: Postdoctoral Research Fellow, University of Verona, Italy
Funding: University of Verona (29,000 euro)

Fellowships & Awards

- **Marie Skłodowska-Curie Individual Fellowship** (H2020-MSCA-IF-2016)
  13% funded proposals out of 832 under "Information Science and Engineering" descriptor
- **Juan de la Cierva Formación** (FJC-2016, renounced due to incompatibility with MSCA fellowship)
  1st place in "Computation and Information Technology Sciences" ranking

Technology Contributions

- **Notarial Registry:** "Green Routes:": A Software to Compute Green Routes for Pedestrians
  Reference: Nº 171/2024, (registered by CSIC on the 15th of July 2024)
- **Notarial Registry:** "SynTeam": Team Formation Optimisation for Cooperative Learning
  Reference: Nº 2301/2020, (registered by CSIC on the 29th of June 2020)
- **Notarial Registry:** "CoMe4Ride": Large-Scale Online Ridesharing Optimisation Software
  Reference: Nº 3757/2019, (registered by CSIC on the 18th of October 2019)

Teaching Experience

Since 2022	**Lecturer** – Tutorial on Multi-Agent Distributed Constrained Optimization AAMAS 2023 (London, UK, 25 attendees), AAMAS 2022 (Online, 40 attendees)
4–9/07/2022	**Lecturer** – Computational Sustainability in Multi-Agent Systems AI-HUB Summer School, Palma de Mallorca, Spain (95 attendees)
19–23/07/2021	**Lecturer** – Constrained Optimisation for Multi-Agent Systems European Agent Systems Summer School (EASSS), Online (110 attendees)
1–5/07/2019	**Lecturer** – Constrained Optimisation for Multi-Agent Systems Advanced Course on AI (ACAI) Summer School, Crete, Greece (90 attendees)
2013 – 2016	**Tutor** – Algorithms (Programming Laboratory II) University of Verona, Verona, Italy (∼40 students/year)

Supervised Students

Since 10/2024	Giulia Tancon (**Ph.D.**, co-supervised with Prof. Gauthier Picard and Prof. Juan A. Rodríguez) Thesis: Approximating Cost Structures in Optimization for Multi-Agent Task Allocation Information Processing and Systems Department, ONERA, Toulouse, France
Since 2021	Roger Xavier Lera Leri (**Ph.D.**) Thesis: Explainability for Optimisation-based Decision Support Systems Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain
Since 2021	Camilo Chacón Sartori (**Ph.D.**, co-supervised with Dr. Christian Blum) Thesis: High-Performance Combinatorial Optimisation for Sustainable Development Goals Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain
2019 – 2023	Adrià Fenoy (**Ph.D.**, co-supervised with Prof. Alessandro Farinelli) Thesis: Combining Optimisation and Machine Learning for the Formation of Collectives Department of Computer Science, University of Verona, Verona, Italy Graduation Date: 28/08/2023
M.Sc.	8 students (2 in 2024, 2022, 2021, 2020, 2 in 2019, 2015)

Scientific Community Service

- Organiser and Chair of OptLearnMAS workshop at AAMAS conference (CORE **A***), since 2023
- IIIA coordinator of CSIC's Interdisciplinary Platform on Mobility (PTI Mobility 2030), since 2020
- Member of the Evaluation Committee for HORIZON-MSCA-2022-COFUND program
- Reviewer for journals: AIJ (**Q1**), IEEE TCYB (**Q1**), EJOR (**Q1**), IEEE T-ITS (**Q1**), JAIR (**Q2**)
- Senior PC member for conferences: IJCAI (CORE **A***), AAMAS (CORE **A***), ECAI (CORE **A**)
- PC member for conferences: AAAI (CORE **A***), GECCO (CORE **A**), EuMAS (CORE **C**)

Journal Publications

[1] Manel Rodriguez-Soto, Roxana Radulescu, **Filippo Bistaffa**, Oriol Ricart, Arnau Mayoral, Maite Lopez-Sanchez, Juan A. Rodriguez-Aguilar, Ann Nowe. Guaranteeing Alignment with Value Systems by Means of Multi-Objective Reinforcement Learning. In *Neural Computing and Applications*, 2024 (**Q2**, impact factor: **4.5**, accepted for publication).

[2] Sergio Calo, **Filippo Bistaffa**, Anders Jonsson, Vicenç Gomez, Mar Viana. Spatial Air Quality Prediction in Urban Areas via Message Passing. In *Engineering Applications of Artificial Intelligence*, 2024 (**Q1**, impact factor: **7.5**). DOI: `10.1016/j.engappai.2024.108191`.

[3] Roger Lera-Leri, Enrico Liscio, **Filippo Bistaffa**, Catholijn Jonker, Maite Lopez-Sanchez, Juan A. Rodríguez-Aguilar, Pradeep Murukannaiah, Francisco Salas-Molina. Aggregating Value Systems for Decision Support. In *Knowledge-Based Systems*, 2024 (**Q1**, impact factor: **7.2**). DOI: `10.1016/j.knosys.2024.111453`.

[4] Adrià Fenoy, **Filippo Bistaffa**, Alessandro Farinelli. An Attention Model for the Formation of Collectives in Real-World Domains. In *Artificial Intelligence*, 2024 (**Q1**, impact factor: **5.1**). DOI: `10.1016/j.artint.2023.104064`.

[5] Marc Serramia, Manel Rodriguez-Soto, Maite Lopez-Sanchez, Juan A. Rodríguez-Aguilar, **Filippo Bistaffa**, Paula Boddington, Michael Wooldridge, Carlos Ansotegui. Encoding Ethics to Compute Value-Aligned Norms. In *Minds & Machines*, 2023 (**Q2**, impact factor: **4.2**). DOI: `10.1007/s11023-023-09649-7`.

[6] Francisco Salas-Molina, **Filippo Bistaffa**, Juan A. Rodríguez-Aguilar. A General Approach for Computing a Consensus in Group Decision Making that Integrates Multiple Ethical Principles. In *Socio-Economic Planning Sciences*, 2023 (**Q1**, impact factor: **6.1**). DOI: `10.1016/j.seps.2023.101694`.

[7] Dave de Jonge, **Filippo Bistaffa**, Jordi Levy. Multi-Objective Vehicle Routing with Automated Negotiation. In *Applied Intelligence*, 2022 (**Q2**, impact factor: **5.3**). DOI: `10.1007/s10489-022-03329-2`.

[8] **Filippo Bistaffa**, Georgios Chalkiadakis, Alessandro Farinelli. Efficient Coalition Structure Generation via Approximately Equivalent Induced Subgraph Games. In *IEEE Transactions on Cybernetics*, 2022 (**Q1**, impact factor: **11.8**). DOI: `10.1109/TCYB.2020.3040622`.

[9] **Filippo Bistaffa**, Christian Blum, Jesús Cerquides, Alessandro Farinelli, Juan A. Rodríguez-Aguilar. A Computational Approach to Quantify the Benefits of Ridesharing for Policy Makers and Travellers. In *IEEE Transactions on Intelligent Transportation Systems*, 2021 (**Q1**, impact factor: **9.6**). DOI: `10.1109/TITS.2019.2954982`.

[10] Ewa Andrejczuk, **Filippo Bistaffa**, Christian Blum, Juan A. Rodríguez-Aguilar, Carles Sierra. Synergistic Team Composition: A Computational Approach to Foster Diversity in Teams. In *Knowledge-Based Systems*, 2019 (**Q1**, impact factor: **5.9**). DOI: `10.1016/j.knosys.2019.06.007`.

[11] Michele Roncalli, **Filippo Bistaffa**, Alessandro Farinelli. Decentralized Power Distribution in the Smart Grid with Ancillary Lines. In *Mobile Networks and Applications*, 2019 (**Q2**, impact factor: **2.6**). DOI: `10.1007/s11036-017-0893-y`.

[12] **Filippo Bistaffa** and Alessandro Farinelli. A COP Model for Graph-Constrained Coalition Formation. In *Journal of Artificial Intelligence Research*, 2018 (**Q3**, impact factor: **1.8**). DOI: `10.1613/jair.1.11205`.

[13] **Filippo Bistaffa**, Georgios Chalkiadakis, Alessandro Farinelli, Sarvapali D. Ramchurn. A Cooperative Game-Theoretic Approach to the Social Ridesharing Problem. In *Artificial Intelligence*, 2017 (**Q1**, impact factor: **3.0**). DOI: `10.1016/j.artint.2017.02.004`.

[14] **Filippo Bistaffa**, Alessandro Farinelli, Jesús Cerquides, Juan A. Rodríguez-Aguilar, Sarvapali D. Ramchurn. Algorithms for Graph-Constrained Coalition Formation in the Real World. In *ACM Transactions on Intelligent Systems and Technology*, 2017 (**Q1**, impact factor: **3.0**). DOI: `10.1145/3040967`.

[15] **Filippo Bistaffa**, Nicola Bombieri, Alessandro Farinelli. An Efficient Approach for Accelerating Bucket Elimination on GPUs. In *IEEE Transactions on Cybernetics*, 2017 (**Q1**, impact factor: **8.8**). DOI: `10.1109/TCYB.2016.2593773`.

[16] Alessandro Farinelli, Manuele Bicego, **Filippo Bistaffa**, Sarvapali D. Ramchurn. A Hierarchical Clustering Approach to Large-Scale Near-Optimal Coalition Formation with Quality Guarantees. In *Engineering Applications of Artificial Intelligence*, 2017 (**Q1**, impact factor: **2.8**). DOI: `10.1016/j.engappai.2016.12.018`.

International Conference Publications

[17] Roger Lera-Leri, **Filippo Bistaffa**. A Robust and Scalable Approach to Meet User Preferences in Research Project Planning. In *Prestigious Applications of Intelligent Systems* in association with *European Conference of Artificial Intelligence* (PAIS/ECAI), 2024 (CORE **A**), to appear.

[18] Adrià Fenoy, Jacopo Zagoli, **Filippo Bistaffa**, Alessandro Farinelli. Attention for the Allocation of Tasks in Multi-Agent Pickup and Delivery. In *ACM Symposium on Applied Computing* (ACM SAC), 2024 (CORE **B**). DOI: 10.1145/3605098.3635955.

[19] Errikos Streviniotis, Athina Georgara, **Filippo Bistaffa**, Georgios Chalkiadakis. FairPlay: A Multi-Sided Fair Dynamic Pricing Policy for Hotels. In *AAAI Conference on Artificial Intelligence* (AAAI), 2024 (CORE **A***). DOI: 10.1609/aaai.v38i20.30243.

[20] **Filippo Bistaffa**. Faster Exact MPE and Constrained Optimization with Deterministic Finite State Automata. In *International Joint Conference on Artificial Intelligence* (IJCAI), 2023 (CORE **A***). DOI: 10.24963/ijcai.2023/209.

[21] Enrico Liscio, Roger Lera-Leri, **Filippo Bistaffa**, Roel Dobbe, Catholijn Jonker, Maite Lopez-Sanchez, Juan A. Rodríguez-Aguilar, Pradeep Murukannaiah. Value Inference in Sociotechnical Systems. In *International Conference on Autonomous Agents and Multiagent Systems* (AAMAS), 2023 (CORE **A***). DOI: 10.5555/3545946.3598838.

[22] Tomas Trescak, Roger Lera Leri, **Filippo Bistaffa**, Juan A. Rodríguez-Aguilar. Agent-Assisted Life-Long Education and Learning. In *International Conference on Autonomous Agents and Multiagent Systems* (AAMAS), 2022 (CORE **A***). DOI: 10.5555/3535850.3536117.

[23] Roger Lera-Leri, **Filippo Bistaffa**, Marc Serramia, Maite Lopez-Sanchez, Juan A. Rodríguez-Aguilar. Towards Pluralistic Value Alignment: Aggregating Value Systems through ℓ_p-Regression. In *International Conference on Autonomous Agents and Multiagent Systems* (AAMAS), 2022 (CORE **A***). DOI: 10.5555/3535850.3535938.

[24] Dave de Jonge, **Filippo Bistaffa**, Jordi Levy. A Heuristic Algorithm for Multi-Agent Vehicle Routing with Automated Negotiation. In *International Conference on Autonomous Agents and Multiagent Systems* (AAMAS), 2021 (CORE **A***). DOI: 10.5555/3463952.3464004.

[25] Ewa Andrejczuk, **Filippo Bistaffa**, Christian Blum, Juan A. Rodríguez-Aguilar, Carles Sierra. Heterogeneous Teams for Homogeneous Performance. In *Conference on Principles and Practice of Multiagent Systems* (PRIMA), 2018 (CORE **B**). DOI: 10.1007/978-3-030-03098-8_6.

[26] **Filippo Bistaffa** and Alessandro Farinelli. A COP Model for Graph-Constrained Coalition Formation. **Invited** in *International Joint Conference on Artificial Intelligence* (IJCAI), 2018 (CORE **A***). DOI: 10.24963/ijcai.2018/783.

[27] Ewa Andrejczuk, **Filippo Bistaffa**, Christian Blum, Juan A. Rodríguez-Aguilar, Carles Sierra. Solving the Synergistic Team Composition Problem. In *International Conference on Autonomous Agents and Multiagent Systems* (AAMAS), 2018 (CORE **A***). DOI: 10.5555/3237383.3238001.

[28] **Filippo Bistaffa**, Juan A. Rodríguez-Aguilar, Jesús Cerquides, Christian Blum. A Simulation Tool for Large-Scale Online Ridesharing (Demonstration). In *International Conference on Autonomous Agents and Multiagent Systems* (AAMAS), 2018 (CORE **A***). DOI: 10.5555/3237383.3237981.

[29] **Filippo Bistaffa**, Nicola Bombieri, Alessandro Farinelli. CUBE: A CUDA Approach for Bucket Elimination on GPUs. In *European Conference on Artificial Intelligence* (ECAI), 2016 (CORE **A**). DOI: 10.3233/978-1-61499-672-9-125.

[30] **Filippo Bistaffa**, Georgios Chalkiadakis, Alessandro Farinelli, Sarvapali D. Ramchurn. Recommending Fair Payments for Large-Scale Social Ridesharing. In *ACM Conference on Recommender Systems* (RecSys), 2015 (CORE **A**). DOI: 10.1145/2792838.2800177.

[31] **Filippo Bistaffa**, Alessandro Farinelli, Sarvapali D. Ramchurn. Sharing Rides with Friends: a Coalition Formation Algorithm for Ridesharing. In *AAAI Conference on Artificial Intelligence* (AAAI), 2015 (CORE **A***). URL: http://www.aaai.org/ocs/index.php/AAAI/AAAI15/paper/view/9622.

[32] **Filippo Bistaffa**, Alessandro Farinelli, Nicola Bombieri. Optimising Memory Management for Belief Propagation in Junction Trees Using GPGPUs. In *International Conference on Parallel and Distributed Systems* (ICPADS), 2014 (CORE **B**). DOI: 10.1109/padsw.2014.7097850.

[33] **Filippo Bistaffa**, Alessandro Farinelli, Jesús Cerquides, Juan A. Rodríguez-Aguilar, Sarvapali D. Ramchurn. Anytime Coalition Structure Generation on Synergy Graphs. In *International Conference on Autonomous Agents and Multiagent Systems* (AAMAS), 2014 (CORE **A***). DOI: 10.5555/2615731.2615737.

[34] **Filippo Bistaffa**. Parallel Algorithms for Hard Combinatorial Optimisation Problems in Multi-Agent Systems (Doctoral Consortium). In *International Conference on Autonomous Agents and Multiagent Systems* (AAMAS), 2014 (CORE **A***). DOI: 10.5555/2615731.2616142.

[35] **Filippo Bistaffa** and Alessandro Farinelli. A Fast Approach to Form Core-Stable Coalitions Based on a Dynamic Model. In *IEEE/WIC/ACM International Joint Conferences on Web Intelligence and Intelligent Agent Technologies* (WI/IAT), 2013 (CORE **B**). DOI: 10.1109/WI-IAT.2013.100.

[36] **Filippo Bistaffa**, Alessandro Farinelli, Meritxell Vinyals, Alex Rogers. Coalitional Energy Purchasing in the Smart Grid. In *IEEE International Energy Conference & Exhibition* (ENERGYCON), 2012. DOI: 10.1109/energycon.2012.6348270.

[37] **Filippo Bistaffa**, Alessandro Farinelli, Meritxell Vinyals, Alex Rogers. Decentralised Stable Coalition Formation Among Energy Consumers in the Smart Grid (Demonstration). In *International Conference on Autonomous Agents and Multiagent Systems* (AAMAS), 2012 (CORE **A***). DOI: 10.5555/2343896.2344061.

Peer-Reviewed Workshop Publications

[38] **Filippo Bistaffa**, Juan A. Rodríguez-Aguilar, Jesús Cerquides. Predicting Requests in Large-Scale Online P2P Ridesharing. In *International Workshop on Optimisation and Learning in Multiagent Systems* (OptLearnMAS), 2020.

[39] **Filippo Bistaffa**, Alessandro Farinelli, Jesús Cerquides, Juan A. Rodríguez-Aguilar, Sarvapali D. Ramchurn. Anytime Coalition Structure Generation on Scale-Free and Community Networks. In *International Joint Workshop on Optimisation in Multiagent Systems and Distributed Constraint Reasoning* (OPTMAS-DCR), 2014.

[40] **Filippo Bistaffa**, Alessandro Farinelli, Meritxell Vinyals, Alex Rogers. Stable Coalition Formation Among Energy Consumers in the Smart Grid. In *International Workshop on Agent Technologies for Energy Systems* (ATES), 2012.

Dissemination & Outreach Activities

09/01/2024	Optimisation and Learning Approaches for Multi-Agent Systems (Invited Seminar) University of Verona, Verona, Italy
13/07/2023	AI Techniques for Sustainable Shared Mobility (Barcelona Metropolis, Barcelona City Hall) Awarded by the ACIA the 2nd Prize for the Best Artificial Intelligence Dissemination Work
08/07/2022	Mathematical Education & Artificial Intelligence (Moderator, AI-HUB Summer School) CaixaForum, Palma de Mallorca, Spain (https://youtu.be/VlBjRm2XFZ8)
09/12/2021	AI for Shared Mobility (Invited Seminar by Zaragoza's Chamber of Commerce) University of Zaragoza, Zaragoza, Spain
24/03/2021	AI for Shared Mobility (Invited Seminar by IberCaja Foundation) Online, https://youtu.be/moSw77BKEYE
03/12/2020	Large-Scale P2P Ridesharing (Invited Seminar) University of Girona, Girona, Spain
28/02/2020	Presentation of PTI Mobility 2030 (Invited Talk) ICB-CSIC, Zaragoza, Spain (https://youtu.be/9fii0vcmxwA)
25/10/2019	Constrained Optimisation for Collective Intelligence Applications (Invited Seminar) Pompeu Fabra University, Barcelona, Spain

International Research Visits

06/2014 – 03/2015 ECS Department, University of Southampton, United Kingdom

06/2013 Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain

Major Collaborations

- Prof. Gauthier Picard, Topic: Constrained Optimisatio in Multi-Agent Systems
  Information Processing & Systems Department, ONERA, University of Toulouse, France
- Dr. Ferdinando Fioretto, Topic: Combining Machine Learning with Classical Optimisation
  Faculty of Engineering & Computer Science, Syracuse University, NY, USA
- Prof. Catholijn M. Jonker, Topic: Aggregation of Participatory Value Systems
  Faculty of Computer Science, Delft University of Technology, Delft, Netherlands
- Prof. Carles Sierra, Topic: AI Techniques for Education
  Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain
- Prof. Juan A. Rodríguez-Aguilar, Topic: Constrained Optimisation for Collective Formation
  Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain
- Prof. Alessandro Farinelli, Topic: Constrained Optimisation for Social Good
  Department of Computer Science, University of Verona, Verona, Italy
- Prof. Sarvapali D. Ramchurn, Topic: Collective Formation for Social Ridesharing
  ECS Department, University of Southampton, Southampton, United Kingdom
- Prof. Georgios Chalkiadakis, Topic: Cooperative Game Theory for Collective Formation
  School of Computer Engineering, Technical University of Crete, Crete, Greece
- Prof. Nicola Bombieri, Topic: Highly-Parallel Approaches for Constrained Optimisation
  Department of Computer Science, University of Verona, Verona, Italy
- Dr. Jesús Cerquides, Topic: Constrained Optimisation for Social Good
  Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain
- Dr. Christian Blum, Topic: Meta-Heuristic Approaches for Constrained Optimisation
  Department of Multi-Agent Systems, IIIA-CSIC, Barcelona, Spain