

## SPECIES Scholarship 2020 Hosts

List of hosting institutions for the SPECIES Scholarship program in 2020. A short overview of each institution is given. More details of the supervisor, research group, available projects, and others, is provided as a PDF document in the section dedicated to each institution.

### Brunel University London, London, UK

- **Location:** Department of Computer Science College of Engineering, Design and Physical Sciences, [Brunel University London](#), London, UK
- **Supervisor:** Crina Grosan ([Homepage](#))
- **Project:** Experimental artificial intelligence for healthcare data
- **Details about supervisor, research group, projects and others:** [London\\_info](#)

### Edinburgh Napier University, Edinburgh, Scotland, UK

- **Location:** The Nature Inspired Intelligent Systems group (NIIS), School of Computing, [Edinburgh Napier University](#), Edinburgh, Scotland, UK
- **Supervisor:** Emma Hart ([Homepage](#))
- **Projects:**
  - (Co) Evolution of Morphology and Controllers in robotics
  - Quality-Diversity algorithms for generating diverse solutions in combinatorial optimisation
  - Algorithm Selection for meta-heuristics, leveraging a range of machine-learning approaches
  - Evolution of algorithm portfolios which exhibit a diversity of behaviours
  - Lifelong learning in optimisation: methods for continual adaptation of algorithms based on problem-solving experience
- **Details about supervisor, research group, projects and others:** [Edinburgh\\_info](#)

### Kadir Has University, Istanbul, Turkey

#### Available Institutions



Brunel University London, United Kingdom



Edinburgh Napier University, United Kingdom



Kadir Has University, Turkey



Lancaster University, United Kingdom



Serbian Academy of Sciences and Arts, Serbia

- **Location:** Management Information Science Department, [Kadir Has University](#), Istanbul, Turkey.
- **Supervisor:** Oğuzhan Ceylan ([Homepage](#))
- **Projects:** Nature-inspired algorithms for smart grid and power systems optimization problems.
- **Details about supervisor, research group, projects and others:** [Istanbul\\_info](#)

## Lancaster University, Lancaster, England, UK

- **Location:** Department of Management Science, Lancaster University Management School ([LUMS](#)), [Lancaster University](#), UK.
- **Supervisor:** Ahmed Kheiri ([Homepage](#))
- **Project:** Hyper-heuristics and Data Science Techniques for Inventory Routing Problem
- **Details about supervisor, research group, projects and others:** [Lancaster\\_info](#)

## Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia

- **Location:** [Mathematical Institute](#), Serbian Academy of Sciences and Arts, Mathematical programming and optimization research group, Belgrade, Serbia.
- **Supervisor:** Tatjana Davidović ([Homepage](#))
- **Project:** Integrating Machine Learning and Metaheuristics
- **Details about supervisor, research group, projects and others:** [Belgrade\\_info](#)

## Technical Institute of Tijuana, Tijuana, Mexico

- **Location:** Department of Electric and Electronic Engineering, Technical Institute of Tijuana ([ITT](#)), Mexico.
- **Supervisor:** Leonardo Trujillo ([Homepage](#))
- **Projects:**
  - Integrating Local Search methods into our GPU-based implementations of GP
  - CUDA-based implementation of RANSAC-GP
  - A distributed platform for GP-based search
  - GI-benchmarking
- **Details about supervisor, research group, projects and others:** [Tijuana\\_info](#)



Technical Institute of Tijuana, Mexico



Tel-Aviv University, Israel



University of Algarve, Portugal



University of Applied Sciences Upper Austria, Austria



University of Coimbra, Portugal



University of Granada, Spain



University Gustave Eiffel, France

## Tel-Aviv University, Tel-Aviv, Israel

- **Location:** School of Mechanical Engineering and Sagol School of Neuroscience, [Tel-Aviv University](#), Tel-Aviv, Israel.
- **Supervisor:** Amiram (Ami) Moshaiov ([Homepage](#)) ([AMoshaiov\\_ShortBIO](#))
- **Projects:** [AMoshaiov\\_Projects](#)
- **Details about the research group and others:** ([AMoshaiov\\_ResearchGroup](#)) ([AMoshaiov\\_OtherInfo](#))



UNIVERSIDADE  
**NOVA**  
DE LISBOA

Universidade Nova de Lisboa, Portugal



UNIVERSITY OF  
**PLYMOUTH**

University of Plymouth, United Kingdom

## University of Algarve, Faro, Portugal

- **Location:** Center for Environmental and Sustainability Research ([CENSE](#)), Department of Informatics Engineering and Electronics, [University of Algarve](#), Portugal.
- **Supervisor:** Fernando Lobo ([Homepage](#))
- **Project:** Automating parameter selection in local search algorithms
- **Details about supervisor, research group, projects and others:** [Algarve\\_info](#)



University of Stirling, Scotland

## University of Coimbra, Coimbra, Portugal

- **Location:** Evolutionary and Complex Systems ([ECOS](#)), Centre for Informatics and Systems ([CISUC](#)), [University of Coimbra](#), Portugal.
- **Supervisors:** Nuno Lourenço ([Homepage](#)) and Penousal Machado ([Homepage](#))
- **Project:** Evolutionary Multitask Learning
- **Details about supervisor, research group, projects and others:** [Coimbra\\_info](#)



Université  
Fédérale  
  
Toulouse  
Midi-Pyrénées

University of Toulouse, France



UNIVERSITY  
OF TRENTO

University of Trento, Italy

## University of Granada, Granada, Spain

- **Location:** [GenNeura](#) research team, Department of Computer Architecture and Technology, [University of Granada](#), Spain.
- **Supervisor:** Juan Julián Merelo Guervós ([Homepage](#))
- **Projects:**
  - Computational intelligence in games.
  - Data science applied to soccer and other games.
  - Procedural content generation using metaheuristics.
  - Distributed/concurrent evolutionary algorithms
- **Details about supervisor, research group, projects and others:** [Granada\\_info](#)



UNIVERSITY  
OF TRIESTE

University of Trieste, Italy

## University Gustave Eiffel, Paris, France

- **Location:** COSYS-ESTAS team, [University Gustave Eiffel](#), Paris, France.
- **Supervisor:** Paola Pellegrini ([Homepage](#)) ([PPellegriniCV](#))
- **Project:** Real-time railway traffic management ([PPellegrini\\_Project](#))
- **Details about the research group:** [PPellegrini\\_ResearchGroup](#)

## University NOVA de Lisboa, Lisbon, Portugal

- **Location:** NOVA Information Management School ([NOVA IMS](#)), Universidade Nova de Lisboa, Lisbon, Portugal.
- **Supervisor:** Leonardo Vanneschi ([Homepage](#)) ([LVanneschi\\_CV](#))
- **Project:** Vectorial Genetic Programming ([LVanneschi\\_project](#))
- **Details about the research group:** [LVanneschi\\_Research\\_Group](#)

## University of Plymouth, Plymouth, England, UK

- **Location:** Plymouth Optimisation Group, Centre for Robotics and Neural Systems ([CRNS](#)), [University of Plymouth](#), Plymouth, England, UK.
- **Supervisors:** David Walker ([Homepage](#)) and Matthew Craven ([Homepage](#))
- **Projects:**
  - Visualisation
  - Benchmarking
  - Industrial optimisation
  - Hybrid optimisation
- **Details about supervisors, research group, projects and others:** [Plymouth\\_info](#)

## University of Stirling, Stirling, Scotland, UK

- **Location:** [DAIS](#) research group, Department of Computing Science and Mathematics, [University of Stirling](#), Scotland, UK.
- **Supervisor:** Gabriela Ochoa ([Homepage](#))
- **Projects:**
  - Visualisation and analysis of computational search spaces using network-based models with applications to machine learning problems.
  - Evolutionary design of antibiotic treatments.
- **Details about supervisor, research group, projects and others:** [Stirling\\_info](#)

## University of Toulouse, Toulouse, France

- **Location:** [ISAE-SUPAERO](#) Engineering School, SuReLI research team, Department of Complex Systems Engineering, University of Toulouse, Toulouse, France.
- **Supervisor:** Dennis Wilson ([Homepage](#))
- **Project:** Evolutionary Reinforcement Learning
- **Details about supervisor, research group, projects and others:** [Toulouse\\_info](#)

## University of Trento, Trento, Italy

- **Location:** Distributed Intelligence and Optimization Lab ([DIOL](#)), Department of Information Engineering and Computer Science ([DISI](#)), University of Trento ([UNITN](#)), Italy.
- **Supervisor:** Giovanni Iacca ([Homepage](#))
- **Project:** Scalability of “compact” Evolutionary Algorithms (cEAs), which is are class of Estimation of Distribution Algorithms (EDAs)
- **Details about supervisor, research group, projects and others:** [Trento\\_info](#)

## University of Trieste, Trieste, Italy

- **Location:** Evolutionary Robotics and Artificial Life lab ([ERALLab](#)), and Machine Learning lab ([MaLeLab](#)), Department of Engineering and Architecture ([DIA](#)), [University of Trieste](#), Italy.
- **Supervisor:** Eric Medvet ([Homepage](#)) ([CV-EricMedvet](#))
- **Project:** [ReMoSo](#): representations and learning algorithms for highly reconfigurable modular soft robots.
- **Details about research group, projects and others:** [Trieste\\_info](#)

## University of Applied Sciences Upper Austria, Austria

- **Location:** Heuristic and Evolutionary Algorithms Laboratory ([HEAL](#)) research group, Software Engineering Department located, [University of Applied Sciences Upper Austria](#), Hagenberg Campus, Austria.
- **Supervisor:** Stefan Wagner ([Homepage](#))
- **Project:** Adaptive Optimization in Dynamic Environments
- **Details about supervisor, research group, projects and others:** [UpperAustria\\_info](#)

