Clément MOMMESSIN
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PROFESSIONAL EXPERIENCES AND EDUCATION:

Since Jan. 2023 – Post-doc: Scheduling for Edge Computing – IMT Atlantique, Nantes, France.

2021 - 2022 – Research fellow: Scheduling in Distributed Systems – University of Leeds, UK.

2017 - 2020 – Ph.D. in Computer Sciences: Efficient Management of Resources in Heterogeneous
 Platforms – Univ. Grenoble Alpes, CNRS, INRIA, Grenoble INP, LIG, France.

Jan. – June 2017 – Research aide contract in MCS division, Argonne National Laboratory, USA.

Oct. - Dec. 2016 – Fixed-term "pre-doc" contract, INRIA Grenoble, France.

2014 - 2016 – Masters Degree in Computer Sciences, major Parallel, Distributed and Embedded
 Systems – Univ. Grenoble Alpes and Grenoble INP, France.

2011 - 2014 – Bachelors Degree in Maths and Computer Sciences, Univ. Grenoble Alpes, France.

2011   – Baccalauréat Scientifique (equiv. A levels), major in Maths – Chambéry, France.

LANGUAGES AND COMPUTER SCIENCES:

French: mother tongue; English: fluent; Spanish: basic knowledge.
Programming languages: C/C++, Python, Nix, R, Java, Ada.

TEACHING:

2021 - 2022 – University of Leeds, UK (34h)
            ~> *Combinatorial Optimisation*, tutorials, undergraduate, 24h.
            ~> *Algorithmic*, tutorials, undergraduate, 10h.

2019 - 2020 – IUT 2, Univ. Grenoble Alpes, France (88h)
            ~> *Computer Architecture and Assembly*, tutorials/practicals, undergraduate, 48h.
            ~> *Algorithmic and ADA programming*, lectures/tutorials/practicals, undergrad., 40h.

2017 - 2019 – IUT 1, Univ. Grenoble Alpes, France (104h)
            ~> *Algorithmic and Programming*, tutorials/practicals, undergraduate, 60h.
            ~> *Algorithmic and Web Development*, tutorials/practicals, undergraduate, 44h.

STUDENT SUPERVISION:

2020   – Mohammed Almarakby, *Two-Agents Job Scheduling on a Single Machine*, M.Sc student, MoSIG, Univ. Grenoble Alpes, France. Co-supervision with Vincent Fagnon and Denis Trystram.

2019   – Anderson da Silva, *Job Allocation in a Distributed Private Cloud*, M.Sc student, MoSIG, Univ. Grenoble Alpes, France. Co-supervision with Denis Trystram.

2019   – Aleksandr Danilin, *Resource Availability Prediction in a Distributed Private Cloud*, M.Sc student, MoSIG, Univ. Grenoble Alpes, France. Co-supervision with Denis Trystram.

2018   – Ning Tang, *Big Data Driven Temperature Control of Intelligent Heaters*, M.Sc student, MoSIG, Univ. Grenoble Alpes, France. Co-supervision with Danilo Carastan-Santos, Giorgio Lucarelli and Denis Trystram.

SCIENTIFIC PUBLICATIONS:

V. Fagnon, G. Lucarelli, C. Mommessin, D. Trysram. "*Two-Agent Scheduling with Resource Augmentation on Multiple Machines*". In Euro-Par 2022.

D. Carastan-Santos, A. Da Silva, A. Goldman, A. Mitra, Y. Ngoko, C. Mommessin, D. Trystram. "*Short-Term Ambien Temperature Forecasting for Smart Heaters*". In ISCC 2021.

O. Beaumont, L.-C. Canon, L. Eyraud-Dubois, G. Lucarelli, L. Marchal, C. Mommessin, B. Simon, D. Trystram. "*Scheduling on Two Types of Resources: a Survey*". In ACM Computing Surveys, 53 (3), 2020.

A. Bauskar, A. da Silva, A. Lebre, C. Mommessin, P. Neyron, Y. Ngoko, Y. Ricordel, D. Trystram, A. Van Kempen. "*Investigating Placement Challenges in Edge Infrastructures through a Common Simulator*". SBAC-PAD, 2020.

M. Amaris, G. Lucarelli, C. Mommessin, D. Trystram. "*Generic Algorithms for Scheduling Applications on Heterogeneous Platforms*". In Concurrency and Computation: Practice and Experience, 31 (15), 2019.

M. Amaris, G. Lucarelli, C. Mommessin, D. Trystram. "*Generic Algorithms for Scheduling Applications on Hybrid Multi-Core Machines*". In Euro-Par, pages 220-231, Sept. 2017.

C. Mommessin, M. Dreher, B. Raffin, T. Peterka. "*Automatic Data Filtering for In Situ Workflows*". In IEEE Cluster, pages 370-378, Aug. 2017.

MISCELLANEOUS:

Dance: Swing dancing, rock and roll.
Sports: Cycling, hiking, climbing.
Reading novels, playing mathematical games, doing and solving puzzles.