


Luca Di Stefano

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ACADEMIC SERVICE

CONFERENCE REVIEWER

AAMAS, SEFM, TASE, ICSoft

VOLUNTEER

ITASEC

WORK EXPERIENCE

THALES ALENIA SPACE

WORKSHOP PLANNING INTERN

Jun 2015 – Feb 2016 • L'Aquila, IT

Maintenance of legacy traceability systems; development of in-house client applications (SQL Server, VBA).

AUBAY RESEARCH &

TECHNOLOGIES INTERN

Dec 2013 – Feb 2014 • Carsoli, IT

Bachelor's thesis project. Design of a digital publishing platform with a cross-platform mobile client (C#, ASP.NET, Windows Communication Foundation, Java, Xamarin).

VOLUNTEERING

ASSOCIAZIONE ITALIANA GUIDE E SCOUTS D'EUROPA CATTOLICI

January 2015 – Present time

Development and deployment of web applications (C#, ASP.Net, SQL Server, PHP, JavaScript, Azure).

PROGRAMMING

Proficient:

Python • C# • F# • Java • \LaTeX

Competent:

C • C++ • Javascript • T-SQL

Matlab • Bash • Erlang

Familiar:

OCaml • PHP • Prolog • VHDL

CERTIFICATIONS

2015 Cisco CCNA Routing and Switching: Introduction to Networks

2010 Cambridge First Certificate in English (FCE). Pass with merit

CAREER

CONVECS, INRIA/LIG POST-DOCTORAL RESEARCHER

Nov 2020 – Present time • Grenoble, FR

IMT LUCCA GRANT HOLDER

Dec 2019 – Oct 2020 • Lucca, IT

Research grant on "Verification of Emerging Properties in Collective Adaptive Systems", awarded by the SysMA research unit.

CONVECS, INRIA/LIG VISITING PHD STUDENT

Mar – Jul 2019 • Grenoble, FR

EDUCATION

GRAN SASSO SCIENCE INSTITUTE PHD IN COMPUTER SCIENCE

Nov 2016 – Oct 2020 • L'Aquila, IT

- Thesis: "Modelling and Verification of Multi-Agent Systems via Sequential Emulation". Available at hdl.handle.net/20.500.12571/10181.
- Other activities: student representative in the academic senate (2018–2020).

UNIVERSITY OF L'AQUILA MSc IN COMPUTER SCIENCE AND SYSTEMS ENGINEERING

Mar 2014 – Oct 2016 • L'Aquila, IT

Final grade: 110/110, cum laude.

PUBLICATIONS (DBLP: [215/9758](https://dblp.org/p/215/9758); ORCID iD: [0000-0003-1922-3151](https://orcid.org/0000-0003-1922-3151))

- Luca Di Stefano and Frédéric Lang. Verifying temporal properties of stigmergic collective systems using CADP. In *ISoLA*, 2021.
- Luca Di Stefano, Frédéric Lang, and Wendelin Serwe. Combining SLiVER with CADP to analyze multi-agent systems. In *COORDINATION*, 2020. doi: [10.1007/978-3-030-50029-0_23](https://doi.org/10.1007/978-3-030-50029-0_23).
- Rocco De Nicola, Luca Di Stefano, and Omar Inverso. Multi-agent systems with virtual stigmergy. *Sci. Comput. Program.*, 187, 2020. doi: [10.1016/j.scico.2019.102345](https://doi.org/10.1016/j.scico.2019.102345).
- Rocco De Nicola, Luca Di Stefano, and Omar Inverso. Toward formal models and languages for verifiable multi-robot systems. *Front. Robot. AI*, 5, 2018. doi: [10.3389/frobt.2018.00094](https://doi.org/10.3389/frobt.2018.00094).
- Rocco De Nicola, Luca Di Stefano, and Omar Inverso. Multi-agent systems with virtual stigmergy. In *STAF Workshops*, 2018. doi: [10.1007/978-3-030-04771-9_26](https://doi.org/10.1007/978-3-030-04771-9_26).

SOFTWARE PROJECTS (GitHub: github.com/lou1306)

- SLiVER: a tool to verify multi-agent systems with stigmergic interaction by reduction to sequential imperative programs (Python, F#). Code available on **GitHub**.
- LocalPathPlanner: a computer vision algorithm for goal-oriented obstacle avoidance (Python, OpenCV, V-REP). Master's thesis project; presented as a poster at COSIT2017. Code available on **GitHub**.