Dario Della Monica

PhD, Professore Associato

Dipartimento di Scienze Matematiche,
Informatiche e Fisiche (DMIF),

Università di Udine

Via Pradamano, 2
33100 Udine (UD) - Italia
✆ *+39 328 2477327*
✉ *dario.dellamonica@uniud.it*
http://users.dimi.uniud.it/~dario.dellamonica/

Informazioni personali

cognome	Della Monica
nome	Dario
data di nascita	7 agosto 1982
nazionaltà	italiana
indirizzo di lavoro	Dipartimento di Scienze Matematiche, Informatiche e Fisiche (DMIF) Università di Udine via delle Scienze, 206 33100 Udine, Italia
cellulare	(+39) 328 2477327
email	dario.dellamonica@uniud.it
skype	dariodellamonica
sito web	http://users.dimi.uniud.it/~dario.dellamonica/

Posizione attuale

dal 28 novembre 2022	**Professore Associato**, *Università di Udine - Dipartimento di Scienze Matematiche, Informatiche e Fisiche (DMIF)*, Udine, Italia. Area di ricerca: metodi formali per l'informatica, intelligenza artificiale

Pubblicazioni

ad oggi, 27 aprile 2023	Autore di 46 pubblicazioni scientifiche su riviste o a conferenze internazionali nell'ambito dell'informatica teorica.

Titoli academici

ASN 01/B1	**Abilitazione Scientifica Nazionale (ASN)**, *01/B1 (Informatica)*, seconda fascia, valida dall'11/09/2019 all'11/09/2025. https://asn18.cineca.it/pubblico/miur/esito-abilitato/01%252FB1/2/2
ASN 09/H1	**Abilitazione Scientifica Nazionale (ASN)**, *09/H1 (Ingegneria Informatica)*, seconda fascia, valida dal 26/07/2018 al 26/07/2024. https://asn16.cineca.it/pubblico/miur/esito-abilitato/09%252FH1/2/5

Posizioni accademiche precedenti

28 novembre 2019–27 novembre 2022	**Ricercatore (RTD-B)**, *Università di Udine - Dipartimento di Scienze Matematiche, Informatiche e Fisiche (DMIF)*, Udine, Italia. Area di ricerca: metodi formali per l'informatica, intelligenza artificiale
1 ottobre 2018–27 novembre 2019	**Ricercatore (RTD-A)**, *Università di Udine - Dipartimento di Scienze Matematiche, Informatiche e Fisiche (DMIF)*, Udine, Italia. Area di ricerca: metodi formali per l'informatica, intelligenza artificiale
ottobre 2016–settembre 2018	**"INdAM-Marie Curie" Fellow**, *Istituto Nazionale di Alta Matematica (INdAM)*, *aprile 2018–settembre 2018:* **Ricercatore postdoc** all'università "Federico II" di Napoli - Dipartimento di Ingegneria Elettrica e Tecnologie dell'Informazione (DIETI), Napoli, Italia *ottobre 2016–marzo 2018:* **Ricercatore postdoc** all'Universidad Complutense de Madrid - Sección Departamental de Sistemas Informáticos y Computación, Madrid, Spagna. Area di ricerca: metodi formali per l'informatica, intelligenza artificiale
gennaio 2016–settembre 2016	**Ricercatore postdoc**, *Università "Federico II" di Napoli - Dipartimento di Ingegneria Elettrica e Tecnologie dell'Informazione (DIETI)*, Napoli, Italia. Area di ricerca: metodi formali per la verifica automatica di sistemi
marzo 2012–dicembre 2015	**Ricercatore postdoc**, *Reykjavik University - School of Computer Science*, Reykjavik, Islanda. Area di ricerca: logiche temporali intervallari
febbraio 2011–gennaio 2012	**Ricercatore postdoc**, *Università di Salerno - Dipartimento di Informatica*, Salerno, Italia. Area di ricerca: metodi formali per la verifica automatica di sistemi

Titoli di studio

gennaio 2008–aprile 2011	**Dottorato di ricerca in Informatica**, *Università di Udine - Dipartimento di Matematica e Informatica (DIMI)*, Udine, Italia. Area di ricerca: logiche temporali intervallari Titolo della tesi: Expressiveness, decidability, and undecidability of Interval Temporal Logic
gennaio 2005–ottobre 2007	**Laurea specialistica in Informatica**, *Università di Napoli "Federico II"*, Napoli, Italia, *Voto: 110/100 e lode.* Area: verifica automatica Titolo della tesi: Una procedura di model checking in un dominio lineare astratto per la verifica di programmi C con array
settembre 2001–gennaio 2005	**Laurea triennale in Informatica**, *Università di Napoli "Federico II"*, Napoli, Italia, *Voto: 110/110.* Area: processi di scheletrizzazione 3-D di immagini digitali

Tesi di dottorato

titolo	*Expressiveness, decidability, and undecidability of Interval Temporal Logic*
area	Logiche temporali intervallari
supervisore	Angelo Montanari

co-supervisori	Guido Sciavicco e Valentin Goranko
note	Vincitore del *premio GULP per le migliori tesi italiane nell'area della logica computazionale* per il biennio 2010-2011.
abstract	Interval Temporal Logics are formalisms particularly suitable to express temporal properties. Unlike standard temporal logics, they use intervals, instead of points, as primitive ontological entities. The most studied propositional interval temporal logic is Halpern and Shoham's Modal Logic of Time Intervals (HS for short). It features a modal operator for each possible ordering relation between pairs of intervals (the so-called Allen's relations). HS is very expressive, but its satisfiability problem turns out to be highly undecidable (over most classes of linear orders). The three main contributions of this thesis are the following ones. First, we provide a complete classification of HS fragments with respect to their relative expressive power in the class of all linear orders. Second, we systematically investigate the decidable/undecidable status of the satisfiability problem for a number of previously unclassified HS fragments, showing that, once more, undecidability is the rule and decidability the exception. Pairing the results given here with existing ones, the long-standing goal of obtaining a complete classification of all HS fragments with respect to their satisfiability problem is now almost achieved. Third, we study metric, hybrid, and first-order extensions of Propositional Neighborhood Logic (over natural numbers), a meaningful and well-studied decidable fragment of HS.

Tesi di Laurea Magistrale

titolo	*Una procedura di model checking in un dominio lineare astratto per la verifica di programmi C con array (A model checking procedure in abstract linear domain for the verification of C program with array)*
area	Verifica automatica
supervisore	Massimo Benerecetti
descrizione	The thesis regarded the fomalization (with relative proof of correctness and completness) and implementation in C++ language of a new strategy of abstraction and verification absorbed in an abstraction-verification-refinement cycle (CEGAR - CounterExample Guided Abstraction Refinement), basic for Eureka tool (http://www.ai-lab.it/eureka/), for automatic verification of linear programs (in C language) with arrays.

Interessi di ricerca

Interval Temporal Logic	Interval temporal logics are based on temporal structures where time intervals, rather than time instants, are the primitive ontological entities. The most important and natural among them is the Halpern and Shoham's Interval Temporal Logic (HS, for short). It features the modal operators corresponding to the various relations between intervals, known as Allen's relations. I have mainly been working on satisfiability and expressiveness issues for (classical extensions of) HS and its fragments.

Automated system verification	Automated verification of multi-agent systems is a significant topic in the recent literature in artificial intelligence. The need of modeling this kind of systems has inspired logical formalisms, the most famous being the Alternating-time Temporal Logics, namely ATL*, ATL+, and ATL, oriented towards the description of collective behaviors. These logics are natural specification languages for open systems, that is, systems whose behavior depends on the interaction with an external entity, usually called the environment or the opponent. I faced the problem of model checking ATL-specifications with respect to multi-agents systems (formalized as game arena) where the agents must act subject to quantitative constraints (e.g., single agents' resource availability, global energy threshold) as well as qualitative ones (expressed, e.g., by means of parity conditions).
Reactive systems and concurrency theory	Equivalence/preorder checking is one of the main approaches to the computer-aided verification of reactive systems. Systems and their specifications are both expressed in the same state-machine-based formalism, and checking whether a system correctly implements its specification amounts to verifying whether the state machines describing them are related by some suitable notion of behavioural equivalence/preorder. I have been working on a logical characterisation of several behavioural relations that have been considered in the field of concurrency theory, aiming at exploring the link between equivalence/preorder checking and another major approach to automated verification of system, namely model checking.

Organizzazione di eventi e attività di editor

Attività di editor

EPTCS, *Guest Editor*, Proceedings of GandALF 2022.

CEUR Workshop Proceedings, *Guest Editor*, Proceedings of OVERLAY 2021.

Fundamenta Informaticae, *Guest Editor*, Special Issue of Fundamenta Informaticae based on a selection of papers presented at CILC 2017.

CEUR Workshop Proceedings, *Guest Editor*, Joint Proceedings of ICTCS 2017 and CILC 2017.

Chair di comitati di programma

GandALF 2023, 14th International Symposium on Games, Automata, Logics, and Formal Verification "GandALF 2023", Udine (Italy), date: TBA, (url: `http://gandalf23.uniud.it/`).

GandALF 2022, 13th International Symposium on Games, Automata, Logics, and Formal Verification "GandALF 2022", Madrid (Spain), 21–23 September 2022, (`https://gandalf2022.software.imdea.org/`).

OVERLAY 2021, 3rd Workshop on fOrmal VERification, Logic, Automata, and sYnthesis "OVERLAY 2021", Padova (Italy), 22 September 2021, (`https://overlay.uniud.it/workshop/2021/`).

CILC 2017, 32nd Italian Conference on Computational Logic "CILC 2017", Naples (Italy), 26–28 September 2017, (`http://cilc2017.unina.it/`).

Partecipazione a comitati di programma

CILC 2023, 38th Italian Conference on Computational Logic "CILC 2023" (`https://www.programmazionelogica.it/associazione/il-convegno/cilc23/`), June 21–23, 2023, Udine (Italy).

AI*IA 2022, 21st International Conference of the Italian Association for Artificial Intelligence "AI*IA 2022" (`https://aixia2022.uniud.it/`), November 28–December 2, 2022, Udine (Italy).

LAMAS&SR 2022, International Workshop on Logical Aspects in Multi-Agent Systems and Strategic Reasoning "LAMAS&SR 2022" (`https://lamassr.github.io/`), August 25–26, 2022, Rennes (France).

CILC 2022, 37th Italian Conference on Computational Logic "CILC 2022" (`http://cilc2022.apice.unibo.it/`), June 29–July 1, 2022, Bologna (Italy).

AAMAS 2022, 21st International Conference on Autonomous Agents and Multiagent Systems "AAMAS 2022" (`https://aamas2022-conference.auckland.ac.nz/`), May 9–13, 2022, Auckland (New Zealand).

AAAI 2022, 36th AAAI Conference on Artificial Intelligence "AAAI 2022" (`https://aaai.org/Conferences/AAAI-22/`), February 22–March 1, 2022.

IJCAI 2022, 31st International Joint Conference on Artificial Intelligence "IJCAI 2022" (`https://ijcai-22.org/`), July 23–29, 2022, Vienna (Austria).
Nominated "Distinguished PC member" (top 3%).

IJCAI 2022/2024, Member of the Program Committee Board of IJCAI for the years 2022, 2023, and 2024.

CILC 2021, 36th Italian Conference on Computational Logic "CILC 2021" (`https://www.ailab.unipr.it/cilc21/`), September 7–9, 2021, Parma (Italy).

IJCAI 2021, 30th International Joint Conference on Artificial Intelligence "IJCAI 2021" (`https://ijcai-21.org/`), August 19–26, 2021 (virtual conference).

AAAI 2021, 35th AAAI Conference on Artificial Intelligence "AAAI 2021" (`https://aaai.org/Conferences/AAAI-21/`), February 2–9, 2021 (virtual conference).

PRIMA 2020, 23rd International Conference on Principles and Practice of Multi-Agent Systems "PRIMA 2020" (`http://uchiya.web.nitech.ac.jp/prima2020/`), November 18–20, 2020 (virtual conference).

OVERLAY 2020, 2nd Workshop on fOrmal VERification, Logic, Automata, and sYnthesis "OVERLAY 2020" within TIME 2020 and BOSK 2020 (`https://overlay.uniud.it/workshop/2020/`), September 25–26, 2020, Bolzano (Italy).

AI*IA 2020, 19th International Conference of the Italian Association for Artificial Intelligence "AI*IA 2020" (`https://aixia2020.disco.unimib.it/home`), November 24–27, 2020, Milano (Italy).

CILC 2020, 35th Italian Conference on Computational Logic "CILC 2020" (`https://cilc2020.demacs.unical.it/`), September 24–25, 2020, Rende (Italy).

IJCAI-PRICAI 2020, 29th International Joint Conference on Artificial Intelligence and the 17th Pacific Rim International Conference on Artificial Intelligence "IJCAI-PRICAI 2020" (`https://ijcai20.org/`), July 11–17, 2020, Yokohama (Japan).

AAMAS 2020, 19th International Conference on Autonomous Agents and Multiagent Systems "AAMAS 2020" (`https://aamas2020.conference.auckland.ac.nz/`), May 9–13, 2020, Auckland (New Zealand).

AAAI 2020, 34th AAAI Conference on Artificial Intelligence "AAAI 2020" (`https://aaai.org/Conferences/AAAI-20/`), February 7–12, 2020, New York (USA).

PRIMA 2019, 22nd International Conference on Principles and Practice of Multi-Agent Systems "PRIMA 2019" (`https://prima2019.di.unito.it/`), October 28–31, 2019, Torino (Italy).

OVERLAY 2019, 1st Workshop on fOrmal VERification, Logic, Automata, and sYnthesis "OVERLAY 2019" within AIxIA 2019 (`https://overlay.uniud.it/workshop/2019/`), November 19–20, 2019, Rende (Italy).

AI*IA 2019, 18th International Conference of the Italian Association for Artificial Intelligence "AI*IA 2019" (`https://aiia2019.mat.unical.it/`), November 19–22, 2019, Rende (Italy).

GandALF 2019, 10th International Symposium on Games, Automata, Logics, and Formal Verification "GandALF 2019" (`https://gandalf2019.sciencesconf.org/`), September 2–4, 2019, Bordeaux (France).

IJCAI 2019, 28th International Joint Conference on Artificial Intelligence "IJCAI 2019" (`http://ijcai19.org/`), August 10–16, 2019, Macao (China).
Nominated "Distinguished PC member".

AAMAS 2019, 18th International Conference on Autonomous Agents and Multiagent Systems "AAMAS 2019" (`http://aamas2019.encs.concordia.ca/`), May 13–17, 2019, Montreal (Canada).

AAAI 2019, 33rd AAAI Conference on Artificial Intelligence "AAAI 2019" (`http://aaai.org/Conferences/AAAI-19/`), January 27–February 1, 2019, Honolulu, Hawaii (USA).

AI*IA 2018, 17th International Conference of the Italian Association for Artificial Intelligence "AI*IA 2018" (`http://aixia2018.fbk.eu/index.php/home/`), November 20–23, 2018, Trento (Italy).

CILC 2018, 33rd Italian Conference on Computational Logic "CILC 2018" (`https://cilc2018.events.unibz.it`), September 20–22, 2018, Bolzano (Italy).

GandALF 2018, 9th International Symposium on Games, Automata, Logics, and Formal Verification "GandALF 2018" (`https://www.react.uni-saarland.de/gandalf2018/`), September 26–28, 2018, Saarbrücken (Germany).

IJCAI-ECAI 2018, 27th International Joint Conference on Artificial Intelligence and the 23rd European Conference on Artificial Intelligence "IJCAI-ECAI 2018" (`https://www.ijcai-18.org/`), July 13–19, 2018, Stockholm (Sweden).

LRBA 2015, ESSLLI Workshop on Logics for Resource-Bounded Agents "LRBA 2015" (`http://www.cs.nott.ac.uk/~nza/lrba15/`), August 10–14, 2015, Barcelona (Spain).

Partecipazione a comitati di organizzazione di conferenze ed eventi

AI*IA 2022, 21st International Conference of the Italian Association for Artificial Intelligence "AI*IA 2022", Udine (Italy), November 28–December 2, 2022, (`https://aixia2022.uniud.it/`).

LC 2018, Logic Colloquium 2018, Udine (Italy), 23-28 July 2018, (`https://lc18.uniud.it/`).

ICTCS 2017, 18th Italian Conference on Theoretical Computer Science "ICTCS 2017", Naples (Italy), 26-28 September 2017, (`http://ictcs2017.unina.it/`).

FMAI 2017, 1st Workshop on Formal Methods in AI "FMAI 2017", Naples (Italy), 22-24 February 2017, (`https://sites.google.com/site/fmai2017homepage/`).

NWPT 2015, 27th Nordic Workshop on Programming Theory "NWPT 2015", Reykjavik (Iceland), 21-23 October 2015, (`http://icetcs.ru.is/nwpt2015/`).

Madrid Meet 2015 (CONCUR/QEST/FORMATS and others), joint conference including CONCUR 2015, QEST 2015, FORMATS 2015, TGC 2015, WS-FM/BEAT 2015, and several co-located workshops, Madrid (Spain), 31 August-5 September 2015, (`http://mafalda.fdi.ucm.es/madrid2015/`).

GandALF 2012, 3rd International Symposium on Games, Automata, Logics and Formal Verification "GandALF 2012", Napoli (Italy), 6-8 September 2012, (`http://www.gandalf.unina.it/`).

GandALF 2011, 2nd International Symposium on Games, Automata, Logics and Formal Verification "GandALF 2011", Minori, Amalfi Coast, Salerno (Italy), 15-17 June 2011, (`http://gandalf.dia.unisa.it/2011/`).

GandALF 2010, 1st International Symposium on Games, Automata, Logics and Formal Verification "GandALF 2010", Minori, Amalfi Coast, Salerno (Italy), 17-18 June 2010, (`http://gandalf.dia.unisa.it/2010/`).

GAMES 2009, Annual Workshop "GAMES 2009", Udine (Italy), 14-17 September 2009, (`http://games2009.dimi.uniud.it/`).

GAMES 2009 is part of the ESF Research Networking Programme on Games for Design and Verification (GAMES) (`http://www.games.rwth-aachen.de/`).

Finanziamenti, progetti di ricerca e partecipazione a gruppi di ricerca

Principal investigator of funded peer-reviewed research projects

2019   **Principal Investigator**, *Formal methods for combined verification (Metodi formali per tecniche di verifica combinata)*.
Italian INdAM-GNCS project. Amount of the grant: **7,000.00 EUR**.

2017-2018   **Principal Investigator**, *Model Rating: Enhancing model checking with information on model distance*.
INdAM-COFUND Fellowship in Mathematics and/or Applications for experienced researchers, co-funded by "Marie Curie Actions". Amount of the grant: ca. **100,000.00 EUR**.

2013-2015   **Principal Investigator**, *Decidability and Expressiveness for Interval Temporal Logics*, project nr. 130802-051.
START Postdoctoral Fellowship programme, Rannis, Icelandic Research Fund, co-funded by "Marie Curie Actions". Amount of the grant: **13,320,000.00 ISK** (ca. **107,000.00 EUR**—exchange rate: Dec 2nd, 2017).

Participation in funded projects

2020   **Ragionamento Strategico e Sintesi Automatica di Sistemi Multi-Agente**.
Italian INdAM-GNCS project.

2016   **Strategic reasoning for multi-agent systems**.
University "Federico II" of Naples.

2016   **Logics, Automata, and Games for Auto-Adaptive Systems**.
Italian INdAM-GNCS project.

2015   **Algorithmic techniques for model checking and synthesis of safety-critical systems**.
Italian INdAM-GNCS project.

2014-2015	**Formal Methods for the Development and Evaluation of Sustainable Systems**. Project funded under the Programme NILS Science and Sustainability (Abel - Coordinated Mobility for Researchers), within the Priority Sectors Programme of the EEA Grants Framework.
2014	**Automata, Games, and Temporal Logics for Verification and Synthesis of Controllers in Safety-Critical Systems**. Italian INdAM-GNCS project.
2012-2013	**Processes and Modal Logics**, *project nr. 100048021.* Icelandic Research Fund.
2011	**Metodi formali per la verifica automatica di sistemi**. University of Salerno.
2010	**Logics, Automata, and Games for Formal Verification of Complex Systems**. Italian INdAM-GNCS project (http://itl.dimi.uniud.it/gncs).
2008	**Innovative and multi-disciplinary approaches for constraint and preference reasoning**. Italian PRIN project.

Participation in research groups

2018–	**Member of the "Data Science and Automatic Verification" laboratory**. The "Data Science and Automatic Verification" laboratory (`http://datasciencelab.dimi.uniud.it`) is led by prof. Angelo Montanari, within the Dipartimento di Scienze Matematiche, Informatiche e Fisiche (DMIF) at University of Udine (Italy).
2016–2018	**Member of ASTREA**. ASTREA is the "Automated STrategic REAsoning" group, led by prof. Aniello Murano, within the Department of Electrical Engineering and Information Technology (DIETI) at University "Federico II" of Naples (Italy).
March 2012– December 2015	**Member of ICE-TCS**. ICE-TCS is the "Icelandic Center of Excellence in Computer Science", within the School of Computer Science at Reykjavik University
January 2007– October 2007	**Member of the Eureka project**. Artificial Intelligence laboratory at the University of Genova (Italy), in collaboration with the Section of Computer Science, Physical Sciences Department, University of Napoli (Italy) "Federico II" (http://www.ai-lab.it/eureka/).

Premi e riconoscimenti

Major awards

August 2016	**Winner of one of the INdAM-COFUND Fellowships in Mathematics and/or Applications for experienced researchers, co-funded by "Marie Curie Actions"**, *administered by INdAM (Istituto Nazionale di Alta Matematica "F. Severi"—National Institute for Advanced Mathematics), for funding the project* "Model Rating: Enhancing model checking with information on model distance" *(2017-2018),* amount of the grant: ca. **100,000.00 EUR**.
March 2013	**Young researcher award for 2011**, *from University of Udine (Italy) for the paper* "Metric Propositional Neighborhood Logics on Natural Numbers" *(coauthors: D. Bresolin, A. Montanari, V. Goranko, and G. Sciavicco), Software and Systems Modeling (SoSyM) — see below for publication details.*

January 2013	**Winner of the START Postdoctoral Fellowship programme, co-funded by "Marie Curie Actions"**, *administered by Rannis through the Icelandic Research Fund (IRF), in partnership with the European Commission Framework 7 Programme (People), for funding the project nr. 130802-051* "Decidability and Expressiveness for Interval Temporal Logics" *(2013-2015),* amount of the grant: **13,320,000.00 ISK** (ca. **107,000.00 EUR**—exchange rate: Dec 2nd, 2017).
November 2012	**GULP prize for the best Italian PhD dissertation in the area of Computational Logic**, *for the years 2010-2011 for the PhD thesis* "Expressiveness, decidability, and undecidability of Interval Temporal Logic". GULP is the Italian Association for Logic Programming, affiliated to Association for Logic Programming (ALP).

Other awards

September 2022	**IJCAI 2022 Distinguished PC member**.
June 2019	**IJCAI 2019 Distinguished PC member**.
August 2014	**ECCAI travel grant**, *to attend the 21st European Conference on Artificial Intelligence (ECAI 2014).*
May 2014	**Best paper award**, *for the paper* "First steps towards automated synthesis of tableau systems for interval temporal logics" *(coauthors: A. Montanari, G. Sciavicco, and D. Tishkovsky), 5th International Conference on Computational Logics, Algebras, Programming, Tools, and Benchmarking (COMPUTATION TOOLS 2014) — see below for publication details.*
August 2012	**ECCAI travel grant**, *to attend the 20th European Conference on Artificial Intelligence (ECAI 2012).*
August 2010	**ECCAI travel grant**, *to attend the 19th European Conference on Artificial Intelligence (ECAI 2010).*

Didattica e supervisione di studenti

Corsi di Laurea

2021–2022 (2nd period)	**Advanced Database Systems For Big Data/Data Management for Big Data (in English)**, *University of Udine and University of Trieste*, Master course.
2021–2022 (1st period)	**Database Laboratory (in Italian)**, *University of Udine*, Bachelor course.
2020–2021 (2nd period)	**Advanced Database Systems For Big Data/Data Management for Big Data (in English)**, *University of Udine and University of Trieste*, Master course.
2020–2021 (1st period)	**Database Laboratory (in Italian)**, *University of Udine*, Bachelor course.
2019–2020 (2nd period)	**Data Management for Big Data (in English)**, *University of Udine and University of Trieste*, Master course.
2019–2020 (1st period)	**Database Laboratory (in Italian)**, *University of Udine*, Bachelor course.
2018–2019 (2nd period)	**Data Management for Big Data (in English)**, *University of Udine and University of Trieste*, Master course.
2018–2019 (1st period)	**Database Laboratory (in Italian)**, *University of Udine*, Bachelor course.

2014–2015 (2nd period)	**Programming Languages (in English)**, *Reykjavik University*, Bachelor course.
January 2009–May 2011	**Advanced Laboratory of Databases and Information Systems (in Italian)**, *University of Udine*, Bachelor course.

Master professionali di I e II livello

2019–2020 (2nd period)	**Data Management for Big Data (in Italian)**, *University of Udine*, Master di I livello in **Filosofia del Digitale** (modulo: *Gli strumenti del digitale*).

Supervisione di studenti

Master theses	**University of Udine (Italy):** Ionel Eduard Stan **University of Udine and University of Trieste (Italy):** Paolo Pulcini, Nicolas Solomita, Alex Fulgosi .
Bachelor theses	**University of Udine (Italy):** Chiara Sequalini, Alessandra Tracanelli, Kalaja Klajdi, Raimondo Barbuto, Fabio Lena, Matteo Zof, Xavier Zentilin, Lorenzo Marcon, Emanuele D'Agostini. **University of Salerno (Italy):** Luigi D'Amora.
Undergraduate project supervision	**Tómas Ken Magnússon**, *Enumeration algorithms for modal logics, Horn theories, and hyper-graphs*, Reykjavik University, Iceland.

Altre experienze

Seminari extra-accademici

25 May 2016	**Dissemination seminar**, *La mente tra logica e percezione: Ragionamento cognitivo e ragionamento simbolico (in Italian—English translation: Mind between logic and perception: Cognitive and symbolic reasoning)*, seminar within the international educational event "Pint of Science 2016", held at club "U-Turn Piano B", vico Pallonetto Santa Chiara, 15, Napoli (Italy).

Varie

May 2017	**Research visiting Period**, *University of Malta - Malta*, Research collaboration. Visiting period c/o professor Adrian Francalanza at University of Malta - Malta for research collaboration.
September 2015– November 2015	**Research visiting Period**, *Universidad Complutense de Madrid - Spain*, Research collaboration. Visiting period c/o professor David de Frutos Escrig at Universidad Complutense de Madrid - Madrid - Spain for research collaboration.
April 2014–June 2014	**Research visiting Period**, *Universidad Complutense de Madrid - Spain*, Research collaboration. Visiting period c/o professor David de Frutos Escrig at Universidad Complutense de Madrid - Madrid - Spain for research collaboration.
April 2013–June 2013	**Research visiting Period**, *University of Murcia - Spain*, Research collaboration. Visiting period c/o professor Guido Sciavicco at University of Murcia - Departamento de Ingenieria de la Información y las comunicaciones - Murcia - Spain for research collaboration.

September 2010– November 2010	**Research visiting period**, *Technical University of Denmark (DTU), Lyngby, Copenhagen - Denmark*, Research collaboration. Visiting period c/o professor Valentin Goranko at Section Algorithms and Logic - Department of Informatics and Mathematical Modelling (IMM) - Technical University of Denmark (DTU), Lyngby, Copenhagen (Denmark) for research collaboration.
Since February 2010	**Webmaster**. Webmaster of the website http://itl.dimi.uniud.it/gncs (developed in Drupal) about a GNCS project I am involved in.
October 2009– December 2009	**Research visiting Period**, *University of Murcia - Spain*, Research collaboration. Visiting period c/o professor Guido Sciavicco at University of Murcia - Departamento de Ingenieria de la Información y las comunicaciones - Murcia - Spain for research collaboration.
Since March 2009	**Webmaster**. Webmaster of the website about Interval Temporal Logic (a major research topic of mine) http://itl.dimi.uniud.it/ (developed in Drupal).
February 2005–June 2005	**Programmer**, Napoli, Italy. Implementation of a program for customers/suppliers management for a business agent. Program implemented using the following languages: html, php, javascript, SQL.
December 2003– February 2004	**Programmer**, *"EDISUD" Publishing House*, Salerno, Italy. Implementation of a DataBase for customers/suppliers management for a publishing house.

Altri impieghi

November 2007– January 2008	**Dishwasher**, *"Hamburger Union" Fast Food - Restaurant*, Londra, UK.
July 2007	**Waiter**, *Pub "Tre Conchiglie"*, Agropoli (SA), Italy.
June 2007	**Waiter**, *Restaurant "Esplanade"*, Paestum (SA), Italy.
August 2006	**Waiter**, *Pub "Tre Conchiglie"*, Agropoli (SA), Italy.
April 2006	**Leafleting**, Napoli, Italy.
January 2006–May 2006	**Private tutor**, Napoli, Italy. Lessons for Primary School and University students.
Summer 2005	**Head of Entertainment Staff**, *Camping Residence "Isola La Chianca"*, Vieste (FG), Italy.
September 2004–June 2005	**Librarian**, *University of Napoli "Federico II"*, Napoli, Italy.
Summer 2004	**Resort Entertainer**, *Tour Operator "Mr. Volare"*, Mahdia and Monastir, Tunisia.
April 2004	**Promoter**, *Promotion agency*, Napoli, Italy.
Summer 2001-2002-2003	**Entertainer**, *"Jolly Animation"*, Palinuro (SA) and Vieste (FG), Italy.

Summer 1999	**Car Washer**, Bellizzi (SA), Italy.

Attività artistiche

May 2014	**Background actor**, in the Icelandic film *Life in a Fishbowl*. `http://www.imdb.com/title/tt2172554/`
September 2010	**Scriptwriter**, Co-scriptwriter of the short film *Tempo finito!* (*Time over!*), Gruppo Teatrale Universitario (GTU), University of Udine, Italy.

Lingue

Italian	Native	
English	Fluent	*Several life and work experiences abroad*
Spanish	Fluent	*Several life and work experiences in Spain*
French	Beginner	*Two years at High School*

Competenze informatiche

OS	Linux, Unix, Windows
programming	JAVA, C/C++, Prolog, Lisp, SQL, PHP, JSP
web design	HTML, XHTML, CSS, Drupal
administration	Tomcat, Apache
scripting	Javascript
typography	LaTeX, BibTeX
database	MySQL
verification tool	NuSMV

Competenze sociali e relazionali

social	Good relationship in the group work.
organizational	Planning capacities to work in team and analytical skills.
technical	Computer programming, neural network, automatic software verification, logics.
driving license	B

Altri interessi

Football (playing it more than watching it), music, cinema, inter-personal relationships.

27 aprile 2023	Dario Della Monica