Claudio Menghi

Curriculum Vitae

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🕮 http://claudiomenghi.github.io

Employment

11/2021 - Now **Assistant Professor**
Institution: McMaster University
Address: 1280 Main St W, Hamilton, ON L8S 4L8, Canada

10/2018 - 10/2021 **Research Associate**
Project: TUNE - Testing the Untestable
Supervisor: Prof. Lionel C. Briand
Institution: University of Luxembourg
Address: 2 Av. de l'Universite, 4365 Esch-sur-Alzette, Luxembourg

04/2017 - 10/2018 **Postdoctoral Researcher**
Project: Co4robots - Achieving Complex Collaborative Missions via Decentralized Control and Coordination of Interacting Robots
Supervisor: Prof. Patrizio Pelliccione
Institution: Chalmers | University of Gothenburg
Address: 405 30 Gothenburg, Sweden

12/2016 - 04/2017 **Postdoctoral Researcher**
Project: GOF4R - Technical Aspects Concerning The Governance
Supervisor: Prof. Matteo Rossi
Institution: Politecnico di Milano
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

11/2015 - 11/2016 **Postdoctoral Researcher**
Project: Architetture a servizi complesse per il cloud
Supervisor: Prof. Luciano Baresi
Institution: Politecnico di Milano
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

10/2005 - 10/2005 **Internship - Research and Development**
Institution: Banca Popolare di Sondrio
Address: Piazza Garibaldi Giuseppe, 16, 23100 Sondrio SO, Italy

06/2015 - 09/2005 **Internship - Network office**
Institution: Banca Popolare di Sondrio
Address: Piazza Garibaldi Giuseppe, 16, 23100 Sondrio SO, Italy

Education and Training

12/2012 - 12/2015 **Doctor of Philosophy in Computer Science and Engineering (with merit)**
Thesis: Dealing with Incompleteness in Automata Based Model Checking
Supervisor: Prof. Carlo Ghezzi
Institution: Politecnico di Milano
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

02/2010 - 10/2012 **Master of Engineering in Computer Engineering (110/110 cum laude)**
Thesis: Contextual, Requirements-Driven, Adaptive Access Control
Supervisors: Prof. Carlo Ghezzi, Prof. Bashar Nuseibeh, Dr. Liliana Pasquale,
Dr. Luca Cavallaro, Dr. Mazeiar Salehie, Dr. Raian Ali
In collaboration with LERO (The Irish Software Engineering Research Centre)
and UTRC (United Technologies Research Centre)
Institution: Politecnico di Milano
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

09/2006 - 02/2010 **Bachelor of Engineering in Computer Engineering (103/110)**
*Thesis: Modellistica, Identificazione e Controllo di una Rete Elettrica Isolata di
Piccole Dimensioni - Modeling, Identification, and Control of a Small Electrical
Network*
Supervisor: Prof. Sergio Bittanti
In collaboration with RSE (Ricerca Sistema Energetico) - CESI Ricerca (Centro
elettrotecnico Sperimentale Italiano)
Institution: Politecnico di Milano
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

09/2001 - 07/2006 **High School Diploma: Information Systems Technician (100/100)**
Institution: Istituto Tecnico Industriale E. Mattei, Sondrio
Address: Via Tirano, 53, 23100 Sondrio SO, Italy

Summer School Attendance

09/2013 **LASER Summer School on Software Engineering**
Software for the Cloud and Big Data
September 8-14, 2013 - Elba Island, Italy

07/2014 - 08/2014 **Summer School Marktoberdorf**
Dependable Software Systems Engineering
July 29 to August 10, 2014 - Marktoberdorf, Germany

Collaboration with Industrial Partners

10/2018 - 10/2021 **LuxSpace (https://luxspace.lu/) and QRA Corp (https://qracorp.com/)**
Project: TUNE - Testing the Untestable

04/2017 - 10/2018	**BOSCH (https://www.bosch.com/) and PAL Robotics (http://pal-robotics.com/)**
	Project: Co4robots - Achieving Complex Collaborative Missions via Decentralized Control and Coordination of Interacting Robots
10/2011 - 06/2012	**United Technologies Research Centre (UTRC) and The Irish Software Engineering Research Centre (LERO)**
	Project: Master Thesis
11/2008 - 02/2010	**RSE (http://www.rse-web.it) and CESI (https://www.cesi.it)**
	Project: Bachelor Thesis

Teaching experience

08/2017 - 12/2017	**Teaching Assistant**
	Model-Driven Software Development
	Prof. Patrizio Pelliccione
	Chalmers	University of Gothenburg
	Address: 405 30 Gothenburg, Sweden
03/2016 - 07/2016	**Teaching Assistant (16 hours)**
	Ingegneria del Software
	Prof. Carlo Ghezzi
	Politecnico di Milano, Milano, Italy
	Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy
03/2016 - 07/2016	**Teaching Assistant (28 hours)**
	Prova Finale di Ingegneria del Software
	Prof. Carlo Ghezzi
	Politecnico di Milano, Milano, Italy
	Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy
03/2016 - 07/2016	**Laboratory Responsible/Teaching Assistant (32 hours)**
	Prova Finale di Ingegneria del Software
	Prof. Carlo Ghezzi
	Politecnico di Milano, Milano, Italy
	Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy
03/2015 - 07/2015	**Teaching Assistant (16 hours)**
	Ingegneria del Software
	Prof. Carlo Ghezzi
	Politecnico di Milano, Milano, Italy
	Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy
03/2014 - 07/2014	**Teaching Assistant (28 hours)**
	Prova Finale di Ingegneria del Software
	Prof. Carlo Ghezzi
	Politecnico di Milano, Milano, Italy
	Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

03/2014 - 07/2014 **Laboratory Responsible/Teaching Assistant (32 hours)**
Prova Finale di Ingegneria del Software
Prof. Carlo Ghezzi
Politecnico di Milano, Milano, Italy
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

03/2013 - 07/2013 **Teaching Assistant (36 hours)**
Elementi di Informatica e Reti di Calcolatori
Prof. Gianpaolo Cugola
Politecnico di Milano, Milano, Italy
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

03/2011 - 07/2011 **Laboratory Responsible/Teaching Assistant (32 hours)**
Prova Finale di Ingegneria del Software
Prof. Carlo Ghezzi
Politecnico di Milano, Milano, Italy
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

Teaching Training

08/2021 - 09/2021 **Instructional Skills Workshop**
Offered through the Paul R. MacPherson Institute for Leadership, Innovation and Excellence in Teaching
McMaster University

2021 **Formal Methods Teaching Workshop and Tutorial (FMTea)**
Co-located with FM (International Symposium on Formal Methods)
https://fmtea.github.io/

Honors and Awards

2021 **Outstanding Paper Award**
PuRSUE - From Specification of Robotic Environments to Synthesis of Controllers, M. Bersani, C. Menghi, P. Pelliccione, M. Rossi, Formal Aspects of Computing (FAOC), 2020
Selected as an outstanding paper from the high quality partner journals and presented in the journal-first track of the FM 2021

2020 **Reviewer Recognition**
Certificate of acknowledges and appreciation
Journal of Software and Systems Modeling

2019 **Distinguished Paper Award**
European Software Engineering Conference and Sym- posium on the Foundations of Software Engineering — ESEC/FSE

2019 **Reviewer Recognition**
Certificate of acknowledges and appreciation
Journal of Software and Systems Modeling

2014 **ACM Grant CAPS - for SIGSOFT Grants/ICSE 14**
Expense reimbursement
US Dollars: 1,200

2012 **Borsa di studio per tesi all'estero 2011-2012 (Thesis Scholarship)**
Politecnico di Milano
Euro: 2,500
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

2010 **Selected for a Double Degree Programme — Offer Declined**
*Norwegian University of Science and Technology (NTNU), Trondheim, Norway
and Politecnico di Milano, Milano, Italy*
Offer Declined for Personal Reasons

2008 **Borsa di Studio Anno 2016-2017 (Scholarship)**
Comunità Montana Valtellina di Sondrio
Euro: 1,000
Address: Piazza Leonardo da Vinci, 32 20133 Milano, Italy

Memberships

2019-Now **Member of the FME Communications Committee**
http://www.fmeurope.org/communications/

07/2021 - Now **ACM Transactions on Autonomous and Adaptive Systems (TAAS)**
Board of Distinguished Reviewers

Service

15/10/2021 **Vice-chair Dissertation defence jury**
Defence by Ms. Khouloud GAALOUL
Dissertation Title: Verification of Design Models of Cyber-Physical Systems
Specified in Simulink
Institution: University of Luxembourg
Address: 2 Av. de l'Universite, 4365 Esch-sur-Alzette, Luxembourg

2015 **Student Volunteer**
Foundations of Software Engineering Conference (ESEC/FSE)

2014 **Student Volunteer**
International Conference on Software Engineering (ICSE)

2013 **Student Volunteer**
International Requirements Engineering Conference (RE)

Conference/Workshop Organization

2021 **Formal Methods Teaching Workshop and Tutorial (FMTea)**
Co-located with FM (4th International Symposium on Formal Methods)
https://fmtea.github.io/

2020 **Workshop on Agents and Robots for reliable Engineered Autonomy (AREA)**
Co-located with ECAI (European Conference on Artificial Intelligence)
https://area2020.github.io/

Invited Talks and Panel Discussions

26/11/2019 **Automated Verification of Cyber-Physical Systems: From Theory to Practice**
Workshop on Software Reliability for Madrid Flight on Chip
https://flightonchip.es/workshop19/

11/10/2019 **A Journey on a Two-Year Research Collaboration with Industry**
Formal Methods for Autonomous Systems Workshop
co-located with Formal Methds (FM)
https://fmasworkshop.github.io/FMAS2019/

08/01/2019 **Strategy Patterns for Multi-Agent CPS**
Dagstuhl Seminar - Explainable Software for Cyber-Physical Systems
https://thomas-vogel.github.io/ES4CPS/

17/09/2015 **LTL verification of incomplete models**
University of Toronto
Bahen Center, Room 3248 (through 3245) 40 St. George St

08/04/2015 **LTL verification of incomplete models**
Workshop on "Engineering Adaptive Systems"
Bra, Italy

Editorial Activities

09/2020 - 03/2021 **Guest Editor**
Special Issue "Agents and Robots for Reliable Engineered Autonomy"
Journal of Sensor and Actuator Networks
https://www.mdpi.com/journal/jsan/special_issues/REA

PC Membership

2022 *Automated Software Engineering (ASE)*
International Conference on Software Engineering - NIER (ICSE-NIER)
Engineering for Adaptive and Self-Managing Systems (SEAMS) – Doctoral track

2021   Software Engineering and Formal Methods (SEFM)
        Automated Software Engineering (ASE) - Breaking Results
        Automated Software Engineering (ASE) - Tool Demonstrations
        MODELS - Student Research Competition
        Workshop on Formal Methods for Autonomous Systems (FMAS)
        Quality and Reliability Assessment for Robotics Software Architecture and
        Components (QRARSAC)
        Quality and Reliability Assessment for Robotics Software Architecture and
        Components (IROS)
        International Symposium on Software Reliability Engineering Workshops (ISS-
        REW) - GAUSS 2021
        Workshop on Formal Approaches for Advanced Computing Systems (FAACS)
        Software Architecture: Theory, Technology, and Applications (SA-TTA)

2020   Conference On Formal Methods In Software Engineering (FormaliSE)
        Workshop on Formal Methods for Autonomous Systems (FMAS)
        Workshop on Formal Approaches for Advanced Computing Systems Workshop
        on Formal Approaches for Advanced Computing Systems (FAACS)
        Software Architecture: Theory, Technology, and Applications (SA-TTA)

2019   Foundations of Software Engineering (ESEC/FSE) - Student Research Compe-
        tition
        Workshop on Robotics Software Engineering (ROSE)
        Workshop on Formal Approaches for Advanced Computing Systems (FAACS)
        Software Architecture: Theory, Technology, and Applications (SA-TTA)

2018   Conference On Formal Methods In Software Engineering (FormaliSE)
        International Workshop on Robotics Software Engineering (ROSE)

Reviewer Service

2021   IEEE Transactions on Autonomous and Adaptive Systems
        ACM Transactions on Embedded Computing Systems Software and Systems
        Modeling (SOSYM)
        Journal of Software: Evolution and Process (J. Softw.: Evol. Process)
        IET Software
        International Journal on Software Tools for Technology Transfer (STTT)

2020   Software and Systems Modeling (SOSYM)
        IEEE Software
        IEEE Transactions on Reliability
        IEEE Robotics and Automation Letters
        Journal of Systems and Software (JSS)
        Transactions on Services Computing
        Software: Practice and Experience

2019   *Software and Systems Modeling (SOSYM)*
Transactions on Software Engineering and Methodology (TOSEM)
IET Software
Journal of Systems and Software (JSS)
Journal of Software: Practice and Experience

2017   *Transactions on Autonomous and Adaptive Systems (TAAS)*

2014   *Science of Computer Programming*

Supervision of Individuals

2021   **Khouloud Gaaloul**
Ph.D. Thesis "Verification of Design Models of Cyber-physical Systems Specified in Simulink"
Excellent Thesis Award from the Doctoral School in Science and Engineering (DSSE) of the University of Luxembourg
Co-supervised with Shiva Nejati
University of Luxembourg, Luxembourg

2021   **Chaima Boufaied**
Ph.D. Thesis "Specification and Model-driven Trace Checking of Complex Temporal Properties"
Co-supervised with Domenico Bianculli
University of Luxembourg, Luxembourg

2021   **Sergio García Gonzalo**
Ph.D. Thesis "Service Robotics Software Engineering"
Co-supervised with Patrizio Pelliccione, Thorsten Berger
Chalmers | University of Gothenburg, Sweden

2020   **Enrico Viganò**
Master Thesis "SMT-based Trace Checking of CPS Properties"
Co-supervised with Domenico Bianculli, Lionel C. Briand, Matteo Rossi
Politecnico di Milano, Italy

2019   **Matteo Soldo**
Master Thesis: "User-Friendly controller synthesis for multi-agent robotic applications in presence of agents with unknown with unknown behavior"
Co-supervised with Marcello Bersani, Patrizio Pelliccione, Matteo Rossi
Politecnico di Milano, Italy

2018   **Master Gabriele Belli**
Master Thesis: "Path planning of collaborative robots dealing with real maps and explicit time concerns"
Co-supervised with Marcello Bersani, Patrizio Pelliccione, Matteo Rossi
Politecnico di Milano, Italy

2015 **Anna Bernasconi**
Master Thesis: "Building deductive proofs of LTL properties for iteratively refined systems"
Co-supervised with Carlo Ghezzi and Paola Spoletini
Politecnico di Milano, Italy

Publications - Peer-reviewed Conference

2021 **Trace-Checking CPS Properties: Bridging the Cyber-Physical Gap**
C. Menghi, E. Viganò, D. Bianculli, L. Briand
International Conference on Software Engineering (ICSE)

2020 **Approximation-Refinement Testing of Compute-Intensive Cyber-Physical Models: An Approach Based on System Identification**
C. Menghi, S. Nejati, L. Briand, Y. Parache
International Conference on Software Engineering (ICSE)

Mining Assumptions for Software Components using Machine Learning
K. Gaaloul, C. Menghi, S. Nejati, L. Briand, D. Wolfe
Foundations of Software Engineering (ESEC/FSE)

Trace-Checking Signal-based Temporal Properties: A Model-Driven Approach
C. Boufaied, C. Menghi, D. Bianculli, L. Briand, Y. Parache
International Conference on Automated Software Engineering (ASE)

Integrating Model Checking and Topological Proofs to Instrument Iterative Design
C. Menghi, A.M. Rizzi, A Bernasconi
Fundamental Approaches to Software Engineering (FASE)

Mind the gap: Robotic Mission Planning Meets Software Engineering
A. Mehrnoosh, C. Menghi, G. Belli, M. Bersani, P. Pelliccione
FormaliSE

UML consistency rules: a case study with open-source UML models
D. Torre, Y. Labiche, M. Genero, M. Elaasar, C. Menghi
FormaliSE

2019 **Generating Automated and Online Test Oracles for Simulink Models with Continuous and Uncertain Behaviors**
C. Menghi, S. Nejati, K. Gaaloul, L. Briand
Foundations of Software Engineering (FSE)

Evaluating Model Testing and Model Checking for Finding Requirements Violations in Simulink Models
S. Nejati, K. Gaaloul, C. Menghi, L. Briand, S. Foster, D. Wolfe
Foundations of Software Engineering (FSE)

High-level mission specification for multiple robots
S. García, P. Pelliccione, C. Menghi, T. Berger, T. Bures
International Conference on Software Language Engineering (SLE)

2018 **Multi-Robot LTL Planning Under Uncertainty**
C. Menghi, S. Garcia, P. Pelliccione, J. Tumova
Formal Methods (FM)

Supporting Verification-Driven Incremental Distributed Design of Components
C. Menghi, P. Spoletini, M.Chechik, C. Ghezzi
Fundamental Approaches to Software Engineering (FASE)

An Architecture for Decentralized, Collaborative, and Autonomous Robots
S. Garcia, C. Menghi, P. Pelliccione, T. Berger, R. Wohlrab
International Conference on Software Architecture (ICSA)

2017 **From Model Checking to a Temporal Proof for Partial Models**
A. Bernasconi, C. Menghi, P. Spoletini, L. D. Zuck, C. Ghezzi
Software Engineering and Formal Methods (SEFM)

Integrating goal model analysis with iterative design
C. Menghi, P. Spoletini, C. Ghezzi
International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ)

2016 **Dealing with Incompleteness in Automata-Based Model Checking**
C. Menghi, P. Spoletini, C. Ghezzi
Formal Methods (FM)

2014 **Engineering topology aware adaptive security: Preventing requirements violations at runtime**
C. Tsigkanos, L. Pasquale, C. Menghi, C. Ghezzi, B. Nuseibeh
International Requirements Engineering Conference (RE)

2013 **On requirements verification for model refinements**
C. Ghezzi, C. Menghi, A. M. Sharifloo, P. Spoletini
Requirements Engineering Conference (RE)

Publications - Journals

2021 **Combining Genetic Programming and Model Checking to Generate Environment Assumptions**
Gaaloul, K.; Menghi, C.; Nejati, S.; Briand, L.; Parache, Y. I.
IEEE Transactions on Software Engineering

TOrPEDO: Witnessing Model Correctness with Topological Proofs
Menghi, C.; Rizzi, A. M.; Bernasconi, A.; Spoletini, P.
Formal Aspects of Computing (FAOC)

A Survey on the Design Space of End-User-Oriented Languages for Specifying Robotic Missions
S. Dragule, T. Berger, C. Menghi, Patrizio Pelliccione
Journal of Software and Systems Modeling (SoSyM)

Agents and Robots for Reliable Engineered Autonomy: A Perspective from the Organisers of AREA 2020
Cardoso, R. C.; Ferrando, A.; Briola, D.; Menghi, C.; Ahlbrecht, T.
Journal of Sensor and Actuator Networks

2020 **Model Checking MITL formulae on Timed Automata: a Logic-Based Approach**
C. Menghi, M. Bersani, M. Rossi, P. San Pietro
Transactions on Computational Logic (TOCL)

PuRSUE - From Specification of Robotic Environments to Synthesis of Controllers
M. Bersani, C. Menghi, P. Pelliccione, M. Rossi
Formal Aspects of Computing (FAOC)

2019 **Specification Patterns for Robotic Missions**
C. Menghi, C Tsigkanos, P Pelliccione, C Ghezzi, T Berger
Transactions on Software Engineering (TSE)

A Verification-driven Framework for Iterative Design of Controllers
C. Menghi, P. Spoletini, M. Chechik, C. Ghezzi
Formal Aspects of Computing (FAOC)

Software Engineering for Smart Cyber-Physical Systems (SEsCPS 2018) - Workshop Report
Bures, T.; Weyns, D.; Schmerl, B.; Fitzgerald, J.; Aniculaesei, A.; Berger, C.; Cambeiro, J.; Carlson, J.; Chowdhury, S. A.; Daun, M.; Li, N.; Markthaler, M.; Menghi, C.; Penzenstadler, B.; Pettit, A.
ACM SIGSOFT Software Engineering Notes. 44(4): 11–13.

2014 **On Requirement Verification for Evolving Statecharts Specifications**
C. Ghezzi, C. Menghi, A. M. Sharifloo, P. Spoletini
Requirements Engineering (REJ)

Books/Book Chapters

2013 **Towards agile verification**
C. Ghezzi, A.M. Sharifloo, C. Menghi
Perspectives on the future of software engineering

A Control-Theoretic Approach to Self-adaptive Systems and an Application to Cloud- Based Software
C. Ghezzi, G. P. Gibilisco, C. Menghi, M. Miglierina
LASER Summer School on Software Engineering

Patents/Software Disclosure

2021 **ARIsTEO (AppRoxImation-based TEst generatiOn)**
C. Menghi, S. Nejati, L. Briand
SNT200012

SOCRaTEs: (Simulink Oracles for CPS RequiremenTs with uncErtainty)
C. Menghi, S. Nejati, K. Gaaloul, L. Briand
SNT200049

ThEodorE
C. Menghi, E. Viganò, D. Bianculli, L. Briand
SNT200042

2020 **EPIcuRus (assumPtIon geneRation approach for CPS)**
K. Gaaloul, C. Menghi, S. Nejati, L. Briand
SNT200023

2016 **Systems and methods for runtime adaptive security to protect variable assets**
M. Salehie, L. Pasquale, C. Menghi, I. Omoronyia, B. Nuseibeh
US Patent 9,330,262

Workshop Papers

2021 **ARCH-COMP 2021 Category Report: Falsification**
G. Ernst, P. Arcaini, I. Bennani, A. Chandratre, A. Donzé, G. Fainekos, G. Frehse, K. Gaaloul, J. Inoue, T. Khandait, L. Mathesen, C. Menghi, G. Pedrielli, M. Pouzet, M. Waga10, S. Yaghoubi, Y. Yamagata, Z. Zhang
EPiC Series in Computing

2020 **ARCH-COMP 2020 Category Report: Falsification**
G. Ernst, P. Arcaini, I. Bennani, A. Donze, G. Fainekos, G. Frehse, L. Mathesen, C. Menghi, G. Pedrielli, M. Pouzet, S. Yaghoubi, Y. Yamagata, Z. Zhang
EPiC Series in Computing

2019 **On Explainability and its Characterization**
D. Bohlender, F. J. Chiyah Garcia, M. Köhl, C. Menghi, A. Wortmann On Explainability and its Characterization
Explainable Software for Cyber-Physical Systems (ES4CPS)

Strategy Patterns for Multi-Agent CPS
C. Menghi
Explainable Software for Cyber-Physical Systems (ES4CPS)

MAPmAKER: performing multi-robot LTL planning under uncertainty
S. García, C. Menghi, P. Pelliccione
International Workshop on Robotics Software Engineering

2018 **Keeping Intelligence under Control**
Mallozzi, P.; Pelliccione, P.; Menghi, C.
International Workshop on Software Engineering for Cognitive Services (SE4COG)

2017 **COVER: Change-based Goal Verifier and Reasoner**
C. Menghi, P. Spoletini, C. Ghezzi
International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ) Workshops

2014 **Topology aware adaptive security**
L. Pasquale, C. Ghezzi, C. Menghi, C. Tsigkanos, B. Nuseibeh
International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS)

Verifying incomplete and evolving specifications
C. Menghi
International Conference on Software Engineering (Doctoral symposium)

Tools/Posters/Artifacts

2021 **ThEodorE: a Trace Checker for CPS Properties**
Menghi, C.; Viganò, E.; Bianculli, D.; Briand, L.
International Conference on Software Engineering (ICSE): Companion Proceedings

RoboMAX: Robotic Mission Adaptation eXemplars
M. Askarpour, C. Tsigkanos, C. Menghi, R. Calinescu, P. Pelliccione, S. García, R. Caldas, T. J. von Oertzen, M. Wimmer, L. Berardinelli, M. Rossi, M. M. Bersani, Gabriel S. Rodrigues
Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS)

2020 **PROMISE: high-level mission specification for multiple robots**
Garcia, S.; Pelliccione, P.; Menghi, C.; Berger, T.; Bures, T.
International Conference on Software Engineering (ICSE): Companion Proceedings

2019 **PsALM: specification of dependable robotic missions**
C. Menghi, C. Tsigkanos, T. Berger, P. Pelliccione
International Conference on Software Engineering (ICSE): Companion Proceedings

2018 **Poster: Property Specification Patterns for Robotic Missions**
C. Menghi, C. Tsigkanos, T. Berger, P. Pelliccione, C. Ghezzi
International Conference on Software Engineering (ICSE): Companion Proceedings

Poster: Towards Multi-Robot Applications Planning Under Uncertainty
C. Menghi, S. Garcia, P. Pelliccione, J. Tumova
International Conference on Software Engineering (ICSE): Companion Proceedings

2012 **SecuriTAS: a tool for engineering adaptive security**
L. Pasquale, C. Menghi, M. Salehie, L. Cavallaro, I. Omoronyia, B. Nuseibeh
International Symposium on the Foundations of Software Engineering, Tool track (FSE)

References

Emeritus Prof. Carlo Ghezzi
carlo.ghezzi@polimi.it
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Politecnico di Milano

Prof. Lionel Briand
lionel.briand@uni.lu
+352 46 66 44 5223
University of Luxembourg and University of Ottawa

Prof. Marsha Chechik
chechik@cs.toronto.edu
(416) 978-3820
University of Toronto

Prof. Bashar Nuseibeh
bashar.nuseibeh@open.ac.uk
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The Open University

Associate Prof. Shiva Nejati
snejati@uottawa.ca
613-562-5800
University of Ottawa