

# Enrico Tronci

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2575294/publications.pdf>

Version: 2024-02-01

76  
papers

772  
citations

567144

15  
h-index

713332

21  
g-index

83  
all docs

83  
docs citations

83  
times ranked

384  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Two-Layer Near-Optimal Strategy for Substation Constraint Management via Home Batteries. IEEE Transactions on Industrial Electronics, 2022, 69, 8566-8578.	5.2	5
2	A Constraint Optimization-Based Sense and Response System for Interactive Business Performance Management. Applied Artificial Intelligence, 2021, 35, 353-372.	2.0	0
3	Mathematical Modeling and Simulation Provides Evidence for New Strategies of Ovarian Stimulation. Frontiers in Endocrinology, 2021, 12, 613048.	1.5	5
4	Visualisation of Control Software for Cyber-Physical Systems. Information (Switzerland), 2021, 12, 178.	1.7	0
5	Cognitive function in association with high estradiol levels resulting from fertility treatment. Hormones and Behavior, 2021, 130, 104951.	1.0	3
6	On checking equivalence of simulation scripts. Journal of Logical and Algebraic Methods in Programming, 2021, 120, 100640.	0.4	2
7	Reconciling interoperability with efficient Verification and Validation within open source simulation environments. Simulation Modelling Practice and Theory, 2021, 109, 102277.	2.2	9
8	Optimal Personalised Treatment Computation through In Silico Clinical Trials on Patient Digital Twins*. Fundamenta Informaticae, 2020, 174, 283-310.	0.3	11
9	MILP, Pseudo-Boolean, and OMT Solvers for Optimal Fault-Tolerant Placements of Relay Nodes in Mission Critical Wireless Networks*. Fundamenta Informaticae, 2020, 174, 229-258.	0.3	2
10	Neuroprediction and A.I. in Forensic Psychiatry and Criminal Justice: A Neurolaw Perspective. Frontiers in Psychology, 2020, 11, 220.	1.1	36
11	Monte Carlo Based Statistical Model Checking of Cyber-Physical Systems: A Review. Information (Switzerland), 2020, 11, 588.	1.7	7
12	Associations Between Natural Physiological and Supraphysiological Estradiol Levels and Stress Perception. Frontiers in Psychology, 2019, 10, 1296.	1.1	8
13	Preface for the special issue GandALF 2015. Acta Informatica, 2018, 55, 89-90.	0.5	0
14	Parallel Statistical Model Checking for Safety Verification in Smart Grids. , 2018, , .		13
15	A methodology for a complete simulation of Cyber-Physical Energy Systems. , 2018, , .		1
16	An Efficient Algorithm for Network Vulnerability Analysis Under Malicious Attacks. Lecture Notes in Computer Science, 2018, , 302-312.	1.0	4
17	Linearizing Discrete-Time Hybrid Systems. IEEE Transactions on Automatic Control, 2017, 62, 5357-5364.	3.6	15
18	Negative affect is unrelated to fluctuations in hormone levels across the menstrual cycle: Evidence from a multisite observational study across two successive cycles. Journal of Psychosomatic Research, 2017, 99, 21-27.	1.2	25

#	ARTICLE	IF	CITATIONS
19	On minimising the maximum expected verification time. Information Processing Letters, 2017, 122, 8-16.	0.4	13
20	Parallelization of Cycle-Based Logic Simulation. Parallel Processing Letters, 2017, 27, 1750003.	0.4	0
21	Modeling cyber-physical systems for automatic verification. , 2017, , .		5
22	Residential Demand Management Using Individualized Demand Aware Price Policies. IEEE Transactions on Smart Grid, 2017, 8, 1284-1294.	6.2	52
23	Lack of Associations between Female Hormone Levels and Visuospatial Working Memory, Divided Attention and Cognitive Bias across Two Consecutive Menstrual Cycles. Frontiers in Behavioral Neuroscience, 2017, 11, 120.	1.0	29
24	Model Checking Cyber-Physical Energy Systems. , 2017, , .		1
25	SyLVaaS: System Level Formal Verification as a Service*. Fundamenta Informaticae, 2016, 149, 101-132.	0.3	14
26	Anytime system level verification via parallel random exhaustive hardware in the loop simulation. Microprocessors and Microsystems, 2016, 41, 12-28.	1.8	15
27	A Glimpse of SmartHG Project Test-bed and Communication Infrastructure. , 2015, , .		8
28	User Flexibility Aware Price Policy Synthesis for Smart Grids. , 2015, , .		13
29	SyLVaaS: System Level Formal Verification as a Service. , 2015, , .		11
30	Computing Biological Model Parameters by Parallel Statistical Model Checking. Lecture Notes in Computer Science, 2015, , 542-554.	1.0	16
31	Model-based synthesis of control software from system-level formal specifications. ACM Transactions on Software Engineering and Methodology, 2014, 23, 1-42.	4.8	21
32	Anytime System Level Verification via Random Exhaustive Hardware in the Loop Simulation. , 2014, , .		17
33	Patient-specific models from inter-patient biological models and clinical records. , 2014, , .		15
34	Demand-aware price policy synthesis and verification services for Smart Grids. , 2014, , .		22
35	System Level Formal Verification via Distributed Multi-core Hardware in the Loop Simulation. , 2014, , .		21
36	CGMurphi: Automatic synthesis of numerical controllers for nonlinear hybrid systems. European Journal of Control, 2013, 19, 14-36.	1.6	4

#	ARTICLE	IF	CITATIONS
37	A Multi-Hop Advertising Discovery and Delivering Protocol for Multi Administrative Domain MANET. Mobile Information Systems, 2013, 9, 261-280.	0.4	3
38	System Level Formal Verification via Model Checking Driven Simulation. Lecture Notes in Computer Science, 2013, , 296-312.	1.0	24
39	On-the-Fly Control Software Synthesis. Lecture Notes in Computer Science, 2013, , 61-80.	1.0	7
40	On model based synthesis of embedded control software. , 2012, , .		8
41	Automatic control software synthesis for quantized discrete time hybrid systems. , 2012, , .		9
42	Flexible Plan Verification: Feasibility Results. Fundamenta Informaticae, 2011, 107, 111-137.	0.3	5
43	Validation and verification issues in a timeline-based planning system. Knowledge Engineering Review, 2010, 25, 299-318.	2.1	18
44	Synthesis of Quantized Feedback Control Software for Discrete Time Linear Hybrid Systems. Lecture Notes in Computer Science, 2010, , 180-195.	1.0	16
45	Risk analysis via heterogeneous models of SCADA interconnecting Power Grids and Telco networks. , 2009, , .		9
46	Model Checking Coalition Nash Equilibria in MAD Distributed Systems. Lecture Notes in Computer Science, 2009, , 531-546.	1.0	2
47	Model Checking Nash Equilibria in MAD Distributed Systems. , 2008, , .		2
48	Automated Generation of Optimal Controllers through Model Checking Techniques. , 2008, , 107-119.		5
49	Disk Based Software Verification via Bounded Model Checking. Proceedings of the Asia Pacific Software Engineering Conference, 2007, , .	0.0	0
50	Disk Based Software Verification via Bounded Model Checking. , 2007, , .		3
51	Automatic Synthesis of Robust Numerical Controllers. , 2007, , .		4
52	CEGAR Based Bounded Model Checking of Discrete Time Hybrid Systems. , 2007, , 399-412.		1
53	Introductory Paper. International Journal on Software Tools for Technology Transfer, 2006, 8, 355-358.	1.7	0
54	Finite horizon analysis of Markov Chains with the Murĭ verifier. International Journal on Software Tools for Technology Transfer, 2006, 8, 397-409.	1.7	20

#	ARTICLE	IF	CITATIONS
55	Automatic Analysis of a Safety Critical Tele Control System. Lecture Notes in Computer Science, 2005, , 94-107.	1.0	0
56	Exploiting Hub States in Automatic Verification. Lecture Notes in Computer Science, 2005, , 54-68.	1.0	0
57	Exploiting transition locality in automatic verification of finite-state concurrent systems. International Journal on Software Tools for Technology Transfer, 2004, 6, 320-341.	1.7	37
58	Automated analysis of timed security: a case study on web privacy. International Journal of Information Security, 2004, 2, 168-186.	2.3	11
59	Automatic Analysis of the NRL Pump. Electronic Notes in Theoretical Computer Science, 2004, 99, 245-266.	0.9	6
60	Synchronized regular expressions. Acta Informatica, 2003, 39, 31-70.	0.5	16
61	Fluid Petri Nets and hybrid model-checking: a comparative case study. Reliability Engineering and System Safety, 2003, 81, 239-257.	5.1	20
62	Automatic Verification of a Turbogas Control System with the Murĳ Verifier. Lecture Notes in Computer Science, 2003, , 141-155.	1.0	12
63	Integrating RAM and Disk Based Verification within the Murĳ Verifier. Lecture Notes in Computer Science, 2003, , 277-282.	1.0	3
64	Synchronized Regular Expressions1 1An extended version of this paper is considered for publication in Acta Informatica. Electronic Notes in Theoretical Computer Science, 2002, 62, 195-210.	0.9	0
65	Formal Models of Timing Attacks on Web Privacy1 1Research partially supported by MURST Progetto Cofinanziato TOSCA.. Electronic Notes in Theoretical Computer Science, 2002, 62, 229-243.	0.9	15
66	Exploiting Transition Locality in the Disk Based Murĳ Verifier. Lecture Notes in Computer Science, 2002, , 202-219.	1.0	13
67	Model-Checking Based on Fluid Petri Nets for the Temperature Control System of the ICARO Co-generative Plant. Lecture Notes in Computer Science, 2002, , 273-283.	1.0	5
68	Exploiting Transition Locality in Automatic Verification. Lecture Notes in Computer Science, 2001, , 259-274.	1.0	14
69	A Symbolic Model Checker for ACTL. Lecture Notes in Computer Science, 1999, , 228-242.	1.0	9
70	Equational programming in $\hat{\lambda}$ -calculus via SL-systems. Part 1. Theoretical Computer Science, 1996, 160, 145-184.	0.5	2
71	Equational programming in $\hat{\lambda}$ -calculus via SL-systems. Part 2. Theoretical Computer Science, 1996, 160, 185-216.	0.5	2
72	Defining data structures via Bĳm-out. Journal of Functional Programming, 1995, 5, 51-64.	0.5	0

#	ARTICLE	IF	CITATIONS
73	About systems of equations, X-separability, and left-invertibility in the $\hat{\lambda}$ -calculus. Information and Computation, 1991, 90, 1-32.	0.5	7
74	REGULAR SYSTEMS OF EQUATIONS IN $\hat{\lambda}$ -CALCULUS. International Journal of Foundations of Computer Science, 1990, 01, 325-339.	0.8	6
75	Solving Equations in Lambda-Calculus. Studies in Logic and the Foundations of Mathematics, 1989, 127, 139-160.	0.2	5
76	Simulator Semantics for System Level Formal Verification. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 193, 86-99.	0.8	2