

Curriculum Vitae et Studiorum

Rocco De Nicola

Birth: Calitri 26th June 1954 (Italy)

Citizenship: Italian

Home address: Piazza della Stazione, 22 - I-56125 Pisa (Italy)

Current Position: Full professor at IMT - Institute for Advanced Studies, Lucca.

Short Biography

De Nicola is a full professor of Computer Science at IMT Institute for Advanced Studies, Lucca; currently, he collaborates also with the Gran Sasso Science Institute (GSSI) in L'Aquila where he is the coordinator of the PhD program in Computer Science. De Nicola received the Laurea degree in Computer Science from the University of Pisa (Italy) in 1978 and the Ph.D. degree in Computer Science from the University of Edinburgh (UK) in 1985. From 1995 till 2011, he has been a full professor at Dipartimento di Sistemi e Informatica of the University of Florence (Italy) and from 1990 till 1995, a full professor at the Dipartimento di Scienze dell'Informazione of the University of Rome 'La Sapienza' (Italy). Before that, he was a full time researcher at IEI-CNR, Pisa and worked at Edinburgh University and for Italtel in Milano.

Education

- Ph.D. in Computer Science nel Maggio 1985 presso Department of Computer Science della University of Edinburgh (UK) - May 1985.
- Laurea (*magna cum laude*) in Scienze dell'Informazione at Pisa University - December 1978.

Working Experiences

- *July 2011- today.* Full Professor of Computer Science at IMT - Institute for Advanced Studies, Lucca.
- *November 1995 - June 2011.* Full Professor of Computer Science at University of Florence.
- *November 1990 - October 1995.* Full Professor of Computer Science at University "La Sapienza" in Rome.
- *October 1982 - October 1990.* Researcher at Istituto di Elaborazione dell'Informazione of CNR in Pisa
- *March 1981 - September 1983.* PhD student at University of Edinburgh.
- *May 1980 - February 1981.* Researcher at ITALTEL in Milan.
- *April 1978 - April 1980.* Grant from Olivetti to work on a joint project with Istituto di Elaborazione dell'Informazione (IEI) at CNR in Pisa.

Research and its outcomes

De Nicola's research aims at understanding the foundations of distributed computing and at applying the formal techniques based on these foundational studies to the development and the analysis of concurrent distributed systems. Current research concentrate on

- Models and Languages for Open Distributed Systems
- Network Aware Programming
- Service Oriented Computing
- Specification of Qualitative and Quantitative Properties of Distributed Systems
- Abstract Models for Security and Cryptographic Process Calculi
- Types for Access Control

On this topics, De Nicola presently collaborates with researchers from many national and international institutions and is the author of around 150 publications in international refereed journals and conference proceedings. De Nicola has also edited books and special issues of journals. The list of the main publications can be found at the end of this document.

De Nicola's research has also had four important recognitions:

Patent: United States Patent 6751619 Methods and apparatus for tuple management in data processing system Issued on June 15, 2004 Inventors Rocco De Nicola and Antony Rowstron.

Citations De Nicola is among the 300 researchers in the ISI-Thomson of highly cited researchers (<http://isihighlycited.com>).

Titles: De Nicola has been honoured with the title of "Commendatore al Merito della Repubblica Italiana".

Honors: De Nicola in 2011 has been accepted as a member of Academia Europaea.

De Nicola is a member of IFIP Working Groups 2.2 , 1.6 and 1.8. He is also a member of Gruppo 2003 (an association of leading Italian scientists).

Teaching

At Florence and/or Rome University, De Nicola has taught or is currently teaching: Concurrent Programming, Specification and Analysis of Concurrent Systems, Computer Security, Operating Systems, Algorithms and Data Structures, Computer Architectures, Computability and Formal Languages, Foundations of Programming Languages.

De Nicola has supervised the PhD or Master work of a number of students. Some of them (Luca Aceto, Lorenzo Bettini, Michele Boreale, Flavio Corradini, Daniele Gorla, Michele Loreti, Rosario Pugliese, Roberto Segala, Emilio Tuosto) are currently playing an important active role in international research and in Italian or European Universities.

Professional Services and Activities

De Nicola has been "visiting professor" at *Technical Univerität of Berlin* in May 1996, at *Ecole Normale Superiore* de Paris in April 2004 and at *Ludwig-Maximilians-Universität* in Munich in July 2004 and for four months in 2013; he has also been "visiting researcher" at *Microsoft Research Laboratories* in Cambridge (UK) for three months during 1999 and 2003. De Nicola is currently

- Editor in chief for the Journal of Logical and Algebraic Methods in Programming (Elsevier)
- Editor for Mathematical Structures in Computer Science (Cambridge University Press).
- Editor for Electronics Proceedings in Theoretical Computer Science.
- Coordinator of the PhD Program in Computer Science at Gran Sasso Science Institute (GSSI) in L'Aquila.
- Chairman of the Steering Committees of the International Symposium on Trustworthy Global Computing.
- Member of the Steering Committees of the International Conference on Coordination Models and Languages.
- Member of the Consiglio Accademico of IMT.
- Member of the Consiglio Consortile of CINECA, a consortium of Italian universities for IT services Committees.
- Member of the "Giunta Amministrativa" of CINI, a consortium of Italian universities for research in Informatics.
- Member of the "Consiglio di Amministrazione" of LUCENSE, a research company in Lucca.

De Nicola has been

- coordinator of the PhD Program in Computer Science and Applications at IMT.
- coordinator of the PhD Program in Informatica ed Applicazioni at University of Florence.
- Director of Studies of the Bachelor (Diploma) and Master (laurea) Curriculae in Informatics at University of Florence.
- Deputy Rector for the management of Information System of University of Florence.
- Vice-President of the board of (5) professors leading CSIAF. The center for information service of University of Florence.
- Deputy Director of Dipartimento di Sistemi ed Informatica at University of Florence.
- Vice-president (Coordinator of the Scientific Committee) of GRIN, the association of all researchers in Computer Science at Italian Universities.
- Chairman of the Steering Committees of the International Conference on Coordination Models and Languages.
- Member of the Consiglio Direttivo of IMT
- Member of the advisory board of CITI: The Research Center for Informatics and Information Technologies (Portugal)
- Member of the advisory board of MT-LAB: Modelling of Information Technology (Denmark)

Moreover, De Nicola has served as General Chair of PLI 2001, Conference Chair of PPDP 2001, Program Chair of COORDINATION 2004, TGC 2005 and ESOP 2007, member of the Steering Committee of ETAPS. He has also been a member of the program committee of important international conferences, such as AMAST, CAAP, CONCUR, COORDINATION, FCT, ICALP, LICS, MA, MFCS, PROCOMET, PPDP. De Nicola has also been *invited speaker* for many international conferences and schools among which IFIP World Congress 1986, COORDINATION 1999, CONCUR 2000, EXPRESS 2004, FMCO 2004, DAIS-FMOODS 2005, QAPL 2006.

Recent Research Project

De Nicola is or has recently been coordinator of projects funded by MIUR, CNR, Microsoft and European Union:

PAST PROJECT

NAPOLI: *Network Aware Programming: Objects Languages and Implementations*
2002-2003 MIUR - Italy 60.000 Euro (National Coordinator)

AGILE: *Architectures for Mobility*
2001-2004 IST FET Global Computing - EU 150.000 Euro (Site Coordinator)

MIKADO: *Models and Calculi for Mobility*
2001-2004 IST FET Global Computing - EU 500.000 Euro (Site Coordinator)

NAPI: *Network Aware Programming in Italy*
2001-2004 Microsoft Research Cambridge 100.000 Euro (Project Leader)

SP4: *Architetture Software ad Alta Qualità di Servizio per Global Computing su Cooperative Wide Area Networks*
2002-2005 Progetto SP4 - CNR 110.000 Euro (Site Coordinator)

SENSORIA: *Software Engineering for Service Oriented Architectures*
2005-2008 IST FET Global Computing - EU 400.000 Euro (Site Coordinator)

PaCo: *Performability-Aware Computing: Logics, Models, and Languages*
2008-2010 MIUR - Italy 20.000 Euro (Site Coordinator).

CURRENT PROJECT

ASCENS: *Autonomic Service-Component Ensembles*
2010-2014 IST FET Self-Awareness in Autonomic Systems - EU 400.000 Euro (Site Coordinator)

CINA: *Compositionality, Interaction, Negotiation, Autonomicity*
2013-2016 MIUR - Italy 600.000 Euro (National Coordinator)

WILIFE: *WiReLess and Ict technologies For Emergency management*
2013-2016 Regione Toscana - Italy 200.000 Euro (Site Coordinator)

QUANTICOL: *A Quantitative Approach to Management and Design of Collective and Adaptive Behaviours*
2013-2017 IST FET Foundations of Collective Adaptive Systems - EU 400.000 Euro (Site Coordinator)

Refereed International Journals

- [1] M. Bernardo, R. De Nicola, and M. Loreti: Revisiting bisimilarity and its modal logic for nondeterministic and probabilistic processes. *Acta Informatica* 52: 61-106, 2015.
- [2] M. Boreale, R. Bruni, R. De Nicola, and M. Loreti. Sessions and Pipelines for Structured Service Programming, *Mathematical Structures in Computer Science*, Cambridge University Press, 25: 666-709, 2015.
- [3] M. Bernardo, R. De Nicola, and M. Loreti: Revisiting Trace and Testing Equivalences for Nondeterministic and Probabilistic Processes. *Logical Methods in Computer Science* 10(1), 2014.
- [4] R. De Nicola, M. Loreti, R. Pugliese, F. Tiezzi A Formal Approach to Autonomic Systems Programming: The SCEL Language. *ACM transactions on Autonomous and Adaptive Systems* 9(7), 2014.
- [5] M. Bernardo, R. De Nicola, and M. Loreti: Relating strong behavioral equivalences for processes with nondeterminism and probabilities, *Theoretical Computer Science*, 546(1): 63–92, 2014.
- [6] M. Bernardo, R. De Nicola, and M. Loreti: A uniform framework for modeling nondeterministic, probabilistic, stochastic, or mixed processes and their behavioral equivalences. *Information and Computation* 225: 29-82, 2013.
- [7] R. De Nicola, D. Latella, M. Loreti, and M. Massink. A Uniform Definition of Stochastic Process Calculi, *ACM Computing Surveys* , 46(1): 5 (2013)
- [8] R. De Nicola and D. Gorla and A. Labella Tree-functors, determinacy and bisimulations, *Mathematical Structures in Computer Science*, 20(3):319-358, 2010.
- [9] R. De Nicola and D. Gorla and R.R. Hansen and F. Nielson and H. Riis Nielson and C. W. Probst and R. Pugliese, From Flow Logic to static type systems for coordination languages, *Science of Computer Programming*, 75(6): 376-397, 2010.
- [10] R. De Nicola and M. Loreti, Modelling global computations with Klaim, *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, (editor Marta Kwiatkowska Tom Rodden Vladimiro Sassone), 336(1881): 3737-3745, 2008.
- [11] R. De Nicola and M. Loreti, Multiple-Labelled Transition Systems for nominal calculi and their logics, *Mathematical Structures in Computer Science*, 18(1): 107-14, 2008.
- [12] G. Castagna, R. De Nicola and D. Varacca, Semantic subtyping for the pi-calculus, *Theoretical Computer Science*, 398(1-3): 217-240, 2008.
- [13] R. De Nicola, J.-P. Katoen, D. Latella, M. Loreti and M. Massink, Model checking mobile stochastic logic, *Theoretical Computer Science*, 382(1): 42-70, 2007.
- [14] R. De Nicola, D. Gorla, and R. Pugliese. Basic observables for a calculus for global computing. *Information and Computation*, 205(10): 1491-1525, 2007.
- [15] R. De Nicola, D. Gorla, and R. Pugliese. Global computing in a dynamic network of tuple spaces. *Science of Computer Programming*, 64(2): 187-204, 2007.
- [16] R. De Nicola, D. Gorla, and R. Pugliese. On the expressive power of klaim-based calculi. *Theoretical Computer Science*, 356(3): 387-421, 2006.
- [17] R. De Nicola, D. Gorla, and R. Pugliese. Confining data and processes in global computing applications. *Science of Computer Programming*, 63(1): 57-87, 2006.
- [18] R. De Nicola, D. Sangiorgi: Types in concurrency. *Acta Informatica* 42(2-3): 79-81, 2005.
- [19] L. Bettini, R. De Nicola, and M. Loreti. Formulae meet programs over the net: A framework for correct network aware programming. *Autom. Softw. Eng.*, 11(3):245–288, 2004.
- [20] R. De Nicola and M. Loreti. A modal logic for mobile agents. *ACM Transaction on Computational Logic*, 5(1):79–128, 2004.
- [21] Rocco De Nicola and Anna Labella. Nondeterministic regular expressions as solutions of equational systems. *Theoretical Computer Science*, 1-3(302):179–189, 2003.
- [22] Michele Boreale, Rocco De Nicola, and Rosario Pugliese. Trace and testing equivalence on asynchronous processes. *Information and Computation*, 172(2):139–164, 2002.
- [23] Flavio Corradini, Rocco De Nicola, and Anna Labella. An equational axiomatization of bisimulation over regular expressions. *J. Log. Comput.*, 12(2):301–320, 2002.
- [24] Lorenzo Bettini, Rocco De Nicola, and Rosario Pugliese. Klava: a java package for distributed and mobile applications. *Softw., Pract. Exper.*, 32(14):1365–1394, 2002.
- [25] Xiao Jun Chen and Rocco De Nicola. Algebraic characterizations of trace and decorated trace equivalences over tree-like structures. *Theoretical Computer Science*, 254(1-2):337–361, 2001.
- [26] Michele Boreale, Rocco De Nicola, and Rosario Pugliese. Divergence in testing and readiness semantics. *Theoretical Computer Science*, 266(1-2):237–248, 2001.

- [27] Rocco De Nicola and Rosario Pugliese. Linda-based applicative and imperative process algebras. *Theoretical Computer Science*, 238(1-2):389–437, 2000.
- [28] Rocco De Nicola, Gian Luigi Ferrari, Rosario Pugliese, and Betti Venneri. Types for access control. *Theoretical Computer Science*, 240(1):215–254, 2000.
- [29] Flavio Corradini, Rocco De Nicola, and Anna Labella. A finite axiomatization of nondeterministic regular expressions. *ITA*, 33(4/5):447–466, 1999.
- [30] Michele Boreale, Rocco De Nicola, and Rosario Pugliese. Basic observables for processes. *Information and Computation*, 149(1):77–98, 1999.
- [31] Flavio Corradini, Rocco De Nicola, and Anna Labella. Models of nondeterministic regular expressions. *Journal of Computer and System Sciences*, 59(3):412–449, 1999.
- [32] Rocco De Nicola, Gian Luigi Ferrari, and Rosario Pugliese. Klaim: A kernel language for agents interaction and mobility. *IEEE Trans. Software Eng.*, 24(5):315–330, 1998.
- [33] Flavio Corradini and Rocco De Nicola. Locality based semantics for process algebras. *Acta Informatica*, 34(4):291–324, 1997.
- [34] Rocco De Nicola and Scott A. Smolka. Concurrency: Theory and practice. *ACM Comput. Surv.*, 28(4es):52, 1996.
- [35] Flavio Corradini and Rocco De Nicola. On four partial ordering semantics for a process calculus. *Fundamenta Informaticae*, 27(4):349–383, 1996.
- [36] Michele Boreale and Rocco De Nicola. A symbolic semantics for the pi-calculus. *Information and Computation*, 126(1):34–52, 1996.
- [37] Michele Boreale and Rocco De Nicola. Testing equivalence for mobile processes. *Information and Computation*, 120(2):279–303, 1995.
- [38] Rocco De Nicola and Frits W. Vaandrager. Three logics for branching bisimulation. *Journal of ACM*, 42(2):458–487, 1995.
- [39] Rocco De Nicola and Roberto Segala. A process algebraic view of input/output automata. *Theoretical Computer Science*, 138(2):391–423, 1995.
- [40] Rocco De Nicola, Alessandro Fantechi, Stefania Gnesi, and Gioia Ristori. An action-based framework for verifying logical and behavioural properties of concurrent systems. *Computer Networks and ISDN Systems*, 25(7):761–778, 1993.
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- [42] Pierpaolo Degano, Rocco De Nicola, and Ugo Montanari. A partial ordering semantics for ccs. *Theoretical Computer Science*, 75(3):223–262, 1990.
- [43] Pierpaolo Degano, Rocco De Nicola, and Ugo Montanari. A distributed operational semantics for ccs based on condition/event systems. *Acta Informatica*, 26(1/2):59–91, 1988.
- [44] Rocco De Nicola. Extensional Equivalences for Transition Systems. *Acta Informatica*, 24(2):211–237, 1987.
- [45] Rocco De Nicola. Two complete axiom systems for a theory of communicating sequential processes. *Information and Control*, 64(1-3):136–172, 1985.
- [46] Rocco De Nicola and Matthew Hennessy. Testing equivalences for processes. *Theoretical Computer Science*, 34:83–133, 1984.

Edited Books or Special issues

- [1] R. De Nicola, and R. Hennicker, editors. *Software, Services, and Systems*, volume 8950 of *Lecture Notes in Computer Science*; Springer, 2015.
- [2] R. De Nicola, and C. Julien, editors. *Proceedings COORDINATION 2013*, volume 7890 of *Lecture Notes in Computer Science*; Springer, 2013.
- [3] P. Degano, R. De Nicola, and J. Meseguer, editors. *Concurrency, Graphs and Models*, volume 5065 of *Lecture Notes in Computer Science*; Springer, 2008.
- [4] R. De Nicola, editor. *Programming Languages and Systems, 16th European Symposium on Programming, ESOP 2007, Proceedings*, volume 4421 of *Lecture Notes in Computer Science*. Springer, 2007.
- [5] R. De Nicola, D. Sangiorgi, editors. Special issue on "Types in Concurrency". *Acta Informatica*, volume 42 N. 2-5. Springer, 2005.
- [6] R. De Nicola, D. Sangiorgi, editors. *Trustworthy Global Computing, Selected papers of TGC 2005*, volume 3705 of *Lecture Notes in Computer Science*. Springer, 2004.
- [7] R. De Nicola, G.L. Ferrari, and G. Meredith, editors. *Coordination Models and Languages, 6th International Conference, COORDINATION 2004, 2004, Proceedings*, volume 2949 of *Lecture Notes in Computer Science*. Springer, 2004.
- [8] R. De Nicola, U. Montanari, editors. Special issue on "Concurrency and Compositionality". *Theoretical Computer Science*, Volume 96 (1). Elsevier, 1992.

Invited Contributions to Books or Conference Proceedings

- [1] R. De Nicola, R. Hennicker A Homage to Martin Wirsing. In *Software, Services, and Systems- Essays Dedicated to Martin Wirsing on the Occasion of His Retirement from the Chair of Programming and Software Engineering* vol. 8950 of *Lecture Notes in Computer Science* p. 1-12, Springer, 2015.
- [2] R. De Nicola, A. Lluch-Lafuente, M. Loreti, A. Morichetta, R. Pugliese, V. Senni, F. Tiezzi: Programming and Verifying Component Ensembles. in *From Programs to Systems. The Systems perspective in Computing, essays in Honor of Joseph Sifakis* Lecture Notes in Computer Science vol. 8415, 69-83 , Springer 2014.
- [3] R. De Nicola A Formal Approach to Autonomic Systems Programming: The SCEL Language - (Long Abstract). Proc. *FACS 2014, Lecture Notes in Computer Science* Vol. 8997, 24-28, Springer 2015.
- [4] R. De Nicola A formal approach to autonomic systems programming: the SCEL language. Proc. of the *15th Italian Conference on Theoretical Computer Science (ICTCS 2014)*, CEUR Workshop Proceedings 1231, CEUR-WS.org, 2014
- [5] M. Wirsing, R. De Nicola, M. Hoelzl: Introduction to "Rigorous Engineering of Autonomic Ensembles"-Track Introduction. Proc. *ISoLA (1), Lecture Notes in Computer Science* Vol. 8802, 96-98. Springer 2014.
- [6] L. Belzner, R. De Nicola, A. Vandin and M. Wirsing, Reasoning (on) Service Component Ensembles in Rewriting Logic, *Specification, Algebra, and Software*, Lecture Notes in Computer Science vol. 8373, pp. 188-211, 2014.
- [7] R. De Nicola Processes Algebra, in *Encyclopedia of Parallel Computing*, Ed. David Padua, Springer 15 pages, 2011.
- [8] R. De Nicola Behavioral Equivalences, in *Encyclopedia of Parallel Computing*, Ed. David Padua, Springer 10 pages, 2011.
- [9] M. Bernardo, R. De Nicola and M. Loreti Uniform Labeled Transition Systems for Nondeterministic, Probabilistic, and Stochastic Processes Calculi, *First International Workshop on Process Algebra and Coordination*, volume 60 of *Electronic Proceeding in Theoretical Computer Science* pages 66-75, 2011.
- [10] M. Bernardo, R. De Nicola and M. Loreti Uniform Labeled Transition Systems for Nondeterministic, Probabilistic, and Stochastic Processes, *Trustworthy Global Computing - 5th International Symposium, TGC 2010*, volume 6084 of *Lecture Notes in Computer Science* pages 35-56; Springer, 2010.
- [11] R. De Nicola, D. Latella, M. Loreti, and M. Massink. On a Uniform Framework for the Definition of Stochastic Process Languages, *Formal Methods for Industrial Critical Systems*, volume 5825 of *Lecture Notes in Computer Science* pages 9-25; Springer, 2009.
- [12] P. Degano, R. De Nicola, and J. Meseguer. Ugo Montanari in a Nutshell, *Concurrency, Graphs and Models*, volume 5065 of *Lecture Notes in Computer Science* pages 7-8; Springer, 2008.
- [13] M. Boreale, R. Bruni, L. Caires, R. De Nicola, I. Lanese, M. Loreti, F. Martins, U. Montanari, A. Ravara, D. Sangiorgi, V. Thudichum Vasconcelos, G. Zavattaro SCC: A Service Centered Calculus. WS-FM 2006: 38-57, LNCS Springer 2006
- [14] R. De Nicola. Languages and Process Calculi for Network Aware Programming - Short Summary. ICTAC 2005: 49-52, LNCS Springer 2006.
- [15] R. De Nicola, J.-P. Katoen, D. Latella, M. Massink. Towards a Logic for Performance and Mobility. *Electr. Notes Theor. Comput. Sci.* 153(2): 161-175 (2006)
- [16] R. De Nicola From Process Calculi to Klaim and Back. *Electr. Notes Theor. Comput. Sci.* 162: 159-162 (2006)
- [17] R. De Nicola and M. Loreti. MoMo: A Modal Logic for Reasoning About Mobility, In Frank S. de Boer et al., editors, *Formal Methods for Components and Objects*, number 3657 in LNCS. pages 95–119. Springer, 2005.
- [18] L. Bettini, R. De Nicola. Mobile Distributed Programming in X-Klaim. in Marco Bernardo and Alessandro Bogliolo editors, *Formal Methods for Mobile Computing*, 5th International School on Formal Methods for the Design of Computer, Communication, and Software Systems, number 3465 in LNCS, page 29-68 Springer, 2005.
- [19] R. De Nicola, D. Gorla, and R. Pugliese. Pattern Matching over a Dynamic Network of Tuple Spaces. FMOODS - Formal Methods for Open Object-Based Distributed Systems, volume 3535 of *Lecture Notes in Computer Science*, pages 1–14. Springer, 2005.
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- [23] Rocco De Nicola. Coordination and access control of mobile agents. In Paolo Ciancarini and Alexander L. Wolf, editors, *COORDINATION*, volume 1594 of *Lecture Notes in Computer Science*, pages 1–2. Springer, 1999.
- [24] Rocco De Nicola and Frits W. Vaandrager. Action versus state based logics for transition systems. In Irène Guessarian, editor, *Semantics of Systems of Concurrent Processes*, volume 469 of *Lecture Notes in Computer Science*, pages 407–419. Springer, 1990.
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- [26] Pierpaolo Degano, Rocco De Nicola, and Ugo Montanari. Partial orderings descriptions and observations of nondeterministic concurrent processes. In J. W. de Bakker, Willem P. de Roever, and Grzegorz Rozenberg, editors, *REX Workshop*, volume 354 of *Lecture Notes in Computer Science*, pages 438–466. Springer, 1988.
- [27] Luca Aceto, Rocco De Nicola, and Alessandro Fantechi. Testing equivalences for event structures. In Marisa Venturini Zilli, editor, *Mathematical Models for the Semantics of Parallelism*, volume 280 of *Lecture Notes in Computer Science*, pages 1–20. Springer, 1987.
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Books or Conference Proceedings

- [1] M. Andric, R. De Nicola, A. Lluch-Lafuente: Replica-Based High-Performance Tuple Space Computing. in *COORDINATION Lecture Notes in Computer Science*, vol. 9037, pp. 3-18, Springer 2015.
- [2] R. De Nicola, G. Iacobelli and M. Tribastone, Dimming Relations for the Efficient Analysis of Concurrent Systems via Action Abstraction, in *FORTE*, Lecture Notes in Computer Science, vol. 8461, pp. 216-23, Springer 2014.
- [3] A. Celestini, G. Costantino, R. De Nicola, Z. Maamar, F. Martinelli, M. Petrocchi, F. Tiezzi: Reputation-Based Composition of Social Web Services. Proc. *28th IEEE International Conference on Advanced Information Networking and Applications (AINA 2014)*, 735-742. IEEE Computer Society, 2014.
- [4] G. Cabri, N. Capodieci, L. Cesari, R. De Nicola, R. Pugliese, F. Tiezzi, F. Zambonelli: Self-expression and Dynamic Attribute-Based Ensembles in SCEL. In Proc. *Technologies for Mastering Change - 6th International Symposium, ISoLA 2014*, Lecture Notes in Computer Science 8802, 147-163, Springer 2014.
- [5] R. Vigo, A. Celestini, F. Tiezzi, R. De Nicola, F. Nielson, H. Riis Nielson: Trust-Based Enforcement of Security Policies. In proc. *Trustworthy Global Computing*, TGC 2014, Lecture Notes in Computer Science 8902, 176-191, Springer 2014.
- [6] L. Cesari, R. De Nicola, R. Pugliese, M. Puviani, F. Tiezzi, F. Zambonelli: Formalising Adaptation Patterns for Autonomic Ensembles. In proc. *Formal Aspects of Component Software (FACS 2013)*, Lecture Notes in Computer Science 8348, 100-118, Springer 2013.
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- [9] A. Celestini, R. De Nicola and F. Tiezzi, Specifying and analysing reputation systems with a coordination language, Proc. 28th Annual ACM Symposium on Applied Computing, SAC '13, pp. 1363-1368, ACM Press, 2013.
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