



## Curriculum vitae

### Informații personale

Prenume /Nume	<b>TRAIAN MUNTEAN</b>
Titlul științific	Professor Computer Science - Research Director ERISCS
Afilieră instituțională	Aix-Marseille University ERISCS Research Laborator
Email	<a href="mailto:muntean@univmed.fr">muntean@univmed.fr</a>
Pagina web	<a href="http://traian.muntean.perso.luminy.univmed.fr/">http://traian.muntean.perso.luminy.univmed.fr/</a>
Țara de proveniență	Franța

<b>Prestigiul științific</b>	
<b>Educație și formare</b>	<ul style="list-style-type: none"><li>• 1973-1977 PhD, Computer Science, Institut national polytechnique de Grenoble</li><li>• 1968 – 1978 HDR, Computer Science, Université Joseph Fourier (Grenoble I)</li></ul>
<b>Experiența profesională</b>	<ul style="list-style-type: none"><li>• 2001 – present Research Director ERISCS</li><li>• 1995 – present Professor Computer Science, Aix-Marseille University</li><li>• 2001-2003 DR- CNRS TIMA Laboratory - Grenoble</li><li>• 1983-1994 Head of Research Group "Systèmes Massivement Parallèles" at IMAG, Grenoble University</li><li>• Visiting Research Fellow (on leave from INRIA) at Oxford University -Programming Research Group (1978-1979)</li><li>• 1977-1979 Associate Researcher - INRIA</li><li>• Visiting Research Fellow at MBLE-Philips Research Laboratory Brussels (1977)</li></ul>
<b>Domenii de cercetare</b>	<ul style="list-style-type: none"><li>• Models for Critical Systems Construction, Networking, Mobility, Security</li><li>• Mathematics of Programming and Communication</li></ul>
<b>Lucrări publicate (selecții)</b>	<p><u>Books:</u></p> <ul style="list-style-type: none"><li>• T. Muntean "Diffusion Mobile Computing", (in preparation) IOS Press</li><li>• G. Barthes, M. Huisman, L. Burdy, J-L Lanet, T. Muntean (Eds): CASSIS'04: "Construction and Analysis of Safe, Secure and Interoperable Smart Devices », LNCS 3362, Springer-Verlag, Berlin 2004</li><li>• 2003, <u>MATISSE Methodological Handbook : correct construction of critical systems</u> (316p) <u>CORDIS</u></li></ul> <p><u>Publications in journals:</u></p> <ul style="list-style-type: none"><li>• Olivier Faurax, Traian Muntean: <i>Security Analysis of AES Using Functionality Fault Model</i>. Journal of Circuits, Systems, and Computers 16(6): 883-894 (2007)</li><li>• C. Ene, T. Muntean, <i>Testing Theories for Broadcasting Processes</i>. Scientific Annals of the A.I.C University of Iasi, Computer Science Section, vol.XI, p. 214-230, 2002</li><li>• C. Ene, T. Muntean, <i>On the expressive power of Point-to-Point versus Broadcast Communications</i>, in « Foundations of Theoretical Computing », LNCS1684, Springer-Verlag, pp. 258-268</li><li>• C. Ené, T. Muntean <i>A broadcast based calculus for communicating systems</i>, Foundations of Theoretical Computing, FTC'99 Springer-Verlag LNCS-1684 2000</li></ul> <p><u>Publicații în Proceedings:</u></p> <ul style="list-style-type: none"><li>• Kevin Atighehchi, Traian Muntean, Sylvain Parlanti, Robert Rolland, Laurent Vallet: <i>A Cryptographic Keys Transfer Protocol for Secure Communicating Systems</i>. SYNASC 2010: 339-343</li><li>• O.Faurax , A. Tria , L. Freund, F. Bancel, T. Muntean, <i>Robustness of circuits under delay-induced faults : test of AES with the PAFI tool</i> 13th IEEE International On-Line Testing Symposium (IOLTS 2007), 09-11 July 2007, Heraklion, Crete</li><li>• O. Faurax, T. Muntean ; <i>Security analysis and fault injection experiment on AES</i>, 2ème Conférence sur la Sécurité des Architectures Réseaux et des Systèmes d'Information, (SAR-SSI 2007), Annecy</li><li>• Bobelin L., Muntean T. <i>Metric induced network poset (MINP): a model of the network from an application point of view</i>, International Conference on Networks for Grid Applications (GridNets), MetroGrid, October 2007</li></ul>

	<ul style="list-style-type: none"> <li>• O.Faurax , L. Freund, A. Tria , T. Muntean, F. Bancel, <i>A generic method for fault injection in circuits</i> 6th IEEE International Workshop on System-on-Chip for Real-Time Applications (IWSOC 2006) December 27-28, 2006, Cairo, Egypt</li> <li>• Bobelin L., Muntean, T. <i>Multiple sources, multiple destinations Metric Induced Network Topology discovery: a graph theory approach</i> IEEE « 2nd International Conference on Intelligent Computer Communication and Processing »,2006</li> <li>• Moraru V.,Muntean T., Gutuleac E. <i>Towards a Model for Broadcasting Secure Mobile Processes</i>. Proc. 5th International Symposium on Parallels and Distributed Computing (ISPDC'06, July 6-9) IEEE Computer Society, 2006, pp. 162-172</li> <li>• Bobelin L, Muntean T. <i>Topologie réseau induite par la métrique (MINT) dans le cas d'échanges multiples sources, multiples destinations</i> ; RenPar'17-2006, pp. 228-236</li> <li>• T. Muntean, <i>Constructing Correct Communicating Systems of Mobile Objects</i> Conf. Invité: "International Symposium on Parallel and Distributed Computing-ISPDC'02</li> <li>• T. Muntean; <i>Stepwise Generic Refinements for Constructing Correct Communicating Systems</i> Invited-Conf. "Future Description Languages" FDL'02, Marseille, sept02</li> <li>• O. Rolland, T. Muntean <i>Distributed Refinement -Application to the B Method</i> ; RCS'02 International Workshop for Refinement of Critical Systems, Grenoble, Janv.2002</li> <li>• T. Muntean, C. Ene <i>A broadcast based calculus for communicating systems</i>, Proc. of Int. Conf. On Formal Methods for Parallel Programming Techniques and Applications, IEEE-FMPPTA'01, San Francisco, pp 1516-1525, ISBN: 0-7695-0990-8</li> <li>• T, Muntean, J. Garmendia, S. Rivas <i>A model for routing in networks of mobile agents</i> <i>Parallel and Distributed Computing Systems</i>, PDCS'00 Conf., Las Vegas, Nov.2000.</li> <li>• Garmendia, J., Mugwaneza, L., Muntean, T. and Rivas, S. <i>Compact and correct adaptive routing for general networks</i>. In Proc. of Communication Networks and Distributed Systems Modeling and Simulation Conference; CNDS, San Diego (2000).</li> <li>• Garmendia, J., Rivas, S., Mugwaneza, L., Muntean, T. <i>Pi-Routage : une technique d'acheminement des communications pour processus mobiles</i>.In Proceedings of RENPAR 12 (2000), pp179-184</li> </ul>
--	---

#### **Experiența anterioară în organizarea de evenimente similare**

	<ul style="list-style-type: none"> <li>• member in the Organization Committee of the conference « Crypto'Puces : Rencontre sur les recherches actuelles en cryptographie », 2007, 2009</li> <li>• member in the Organization Committee of the 1st International Conference CASSIS'04 « Construction and Analysis of Safe, Secure and Interoperable Smart devices and systems »</li> <li>• member in the Organization Committee and Chairman of the Session : « Logiciels et Systèmes Enfous » of the Conference CASSIS'05</li> <li>• Initiation and Organisation together with M. Butler (Southampton) and K. Sere (Turku) of the "1st International Workshop on Refinement of Critical Systems" of the Conf. ZB'02</li> </ul> <p><u>Invited Talks :</u></p> <ul style="list-style-type: none"> <li>• T. Muntean : « Anonymity and Privacy in Communicating Critical Systems », Keynote Talk ICCP'2010</li> <li>• T. Muntean, L. Vallet : « Anonymat par diffusion sélective de clés dans les réseaux mobiles », Crypto'Puces 2009</li> <li>• T. Muntean <i>Routage Sécurisé pour le e-voting</i> , VETO'08, Marseille, Mars 2008</li> <li>• T. Muntean, <i>Diffusing Mobile Processes</i>, in "Concurrent Information Processing and Computing » IOS Press, <ul style="list-style-type: none"> <li>○ NATO Science Series-V.195 (2005), D Grigoras, Al. Nicolau (Eds), pp 111-130</li> <li>○ Conf. Invité, NATO Adv. Conf. "Concurrent Information Processing and Computing" (ARW-CIPC)</li> </ul> </li> <li>• T. Muntean, <i>Diffusion Systems</i>, Conf. Invité, ICMCS'05, (Sept 2005)</li> <li>• T. Muntean- <i>On Constructing Correct Communicating Systems</i>, Invited Seminar, Open Systems Laboratory, UIUC, Urbana-Champaign, USA,2000</li> <li>• T. Muntean <i>DSoS-MATISSE Dependability Workshop</i>, Newcasle, Feb.2002</li> </ul>
--	--