

## Prof.dr.ing. Ștefan Trăușan-Matu



### Proiecte internaționale

H2020-ICT-2014/H2020-ICT-2014-1 No. 644187 RAGE — Realising an Applied Gaming Eco-system	Co-coordonator pentru România	2015-2019
EU-NCIT - NCIT leading to EU IST excellency (EU-FP6)	Workpackage leader	2005-2008
Early Nutrition eAcademy Southeast Asia (ENeASEA) ERASMUS+	Co-coordonator pentru România	2016-2018
DMKM Erasmus Mundus Master	Participant	2011-2016
Republic of Letters – COST Action	Reprezentant al României în Comitetul de Management	2014-2019
TextLink – COST Action	Reprezentant al României în Comitetul de Management	2014-2019
SORE – Science and Orthodoxy Research and Education (Templeton grant)	Vice-președinte al Polului București	2008-2010
ERRIC – Empowering Romanian Research on Intelligent Information Technologies - EU FP7 Support Action	Coordonator științific pentru România	2010-2014
SkyNurse – Distance learning through satellite, Romanian-Italian project	Coordonator științific pentru România	2004-2006
IKF (Information and Knowledge Fusion), European Commission EUREKA Project E! 2235	Coordonator științific pentru România	2002-2003
LtFLL – Language Technology for Lifelong Learning (EU-FP7 STREP)	Coordonator pentru România	2008-2011
Inf3C – “Representation et gestion des Connaissances et Competences”, Project with	Coordonator pentru România	2004-2005

Nantes University, France		
LarFLaST (Learning Foreign Language Scientific Terminology), European Commission COPERNICUS Project nr. 7074, <a href="http://www-it.fmi.uni-sofia.bg/larflast/">http://www-it.fmi.uni-sofia.bg/larflast/</a>	Coordonator pentru România	1998-2001
"Integrated Knowledge Modelling Environment", for the operationalization of CommonKADS designs, European Commission COPERNICUS project nr. CP93-7599	Coordonator pentru România	1994-1996
MUMIA – COST Action	Reprezentant al României în Comitetul de Management	2012-2014
Virtual Math Teams, Drexel University, Philadelphia, Pennsylvania, US	Participant ca Fulbright Scholar	2005
TOWNTOLOGY – COST Action C21	Reprezentant al României în Comitetul de Management	2005-2008
3rd European Network for the Advancement of Artificial Cognitive Systems, Interaction and Robotics, EUCogIII Network FP7-ICT-EUCogIII-269981	Participant	2011-2014
2nd European Network for the Advancement of Artificial Cognitive Systems, Interaction and Robotics, EUCogII	Participant	2009-2012
Courses and public activities on the Relation Among Science, Religion and Philosophy from an Orthodox Christian Perspective	Participant	2011-2013
METANET4U - Enhancing the European Linguistic Infrastructure	Participant	2010-2013
COOPER - Collaborative Open Environment for Project-Centred Learning (EU-FP6 STREP)	Participant	2005-2007
POIROT - Development of an ontology for fraud detection, European Commission Project	Participant	2002-2004
Balkanet, proiect IST, UE	Participant	2002-2004
INTERNET School (Bilateral project with ICASIT-George Mason University with funds from Andrew Mellon Foundation in New York)	Participant	1996-1999
Tempus JEP 9149/95, European Commission	Participant	1996
PAIL (Portable Artificial Intelligence Laboratory), collaboration with IDSIA, Lugano, Switzerland	Participant	1994-1995

## Proiecte, contracte și granturi naționale

Intelligent systems for conversation analysis - Academia Română	Director de proiect	2017-2019
Hub tehnologic inovativ bazat pe modele semantice și calcule de înaltă performanță – HUB-TECH - POC	Coordonator științific	2016-2018
Querying Databases in Natural Language Using Deep Learning	Participant	2016-2018
Sisteme de analiză polifonică și cronotopică a discursului din texte - Academia Română	Director de proiect	2013-2015
Sisteme inteligente de sprijinire a creativității în comunitățile virtuale, Academia Română	Director de proiect	2010-2012
K-Teams – Knowledge construction in virtual teams, CNCSIS	Director de proiect	2007-2008
Sisteme informatice de sprijinire a construirii dialogice a cunoașterii în comunitățile virtuale, Academia Română	Director de proiect	2005-2009
Asistenți inteligenți pentru extragerea și gestiunea personalizată a cunoștințelor pe Web, Academia Română	Director de proiect	2003-2005
SINTEC - Mediu inteligent de e-Learning, INFOSOC Project	Director de proiect	2002-2003
Medii hermenofore pentru exploatarea resurselor WWW în activități de cercetare și instruire, Academia Română	Director de proiect	1999-2002
Instrumente informatice cognitive pentru asistarea cu calculatorul a procesului de învățământ, Grant CNSIS	Director de grant	1995-1996
Dezvoltarea rețelei academice de calculatoare și conectarea acesteia la rețeaua internațională de calculatoare INTERNET, Grant Academia Română	Director de grant	1995
Modelarea cognitivă computațională în sistemele de instruire asistată de calculator, Academia Română	Director de proiect	1994-1999
Sistem bazat pe cunoștințe pentru dezvoltarea de software reutilizabil și evolutiv, Ministerul Educației	Director de proiect	1992-1994
Metode și instrumente avansate pentru sisteme experte de generația a doua, Comisia Națională de Informatică	Director de proiect	1990-1992
Sistem expert pentru proiectarea cadrelor plane din beton armat, contract IPCT Bucharest	Director de proiect	1988-1989
Sistem expert pentru analiza soluțiilor, ISPIF, Bucharest	Director de proiect	1988-1989
Sistem expert pentru proiectarea halelor industriale, parter, fără pod rulant, contract IPCT Bucharest	Director de proiect	1987-1989
CASIA – POSDRU	Participant	2012-2014
INFOSTRUCTURE - Platforma avansată de servicii electronice pentru optimizarea și adaptarea afacerilor la economia în timp real, PN-II Parteneriate	Participant	2009-2011
CONTO, PNII	Participant	2008-2010

PALIROM, PNIU	Participant	2007-2009
Modele culturale ale societății cunoașterii, grant CNCSIS	Participant	2004-2007
Strategii și soluții pentru societatea cunoașterii; INFOSOC	Participant	2001-2002
Factori psihici implicați în proiectarea sistemelor inteligente de instruire	Participant	2000-2002
Modelarea mentală în procesele de instruire în informatică	Participant	1997-1999
Cercetări privind elaborarea de instrumente informatice pentru elaborarea de sisteme expert	Participant	1985-1990

### Cărți (selecție 2000-2016)

1. Traian Rebedea, Mihai Dascălu, Ștefan Trăușan-Matu, Proiectarea algoritmilor. O abordare practică, PolitehnicaPress, 2016
2. Costin Chiru, Mihai Dascălu, Vlad Posea, Ștefan Trăușan-Matu, *Tehnologii Web Centrare pe Interacțiunea Om-Calculator*, PolitehnicaPress, 2015
3. Ion Roceanu, Florica Moldoveanu, Ștefan Trausan-Matu, Dragos Barbieru, Daniel Beligan, Angela Ionita (eds.), Rethinking education by leveraging the eLearning pillar of the Digital Agenda for Europe! Volume I eLearning and Software for Education Conference Bucharest, April 23 – 24, 2015
4. Ștefan Trausan-Matu, Kristy Elizabeth Boyer, Martha Crosby, Kitty Panourgia (Eds.), *Intelligent Tutoring Systems, 12th International Conference*, Honolulu, Hawaii, Lecture Notes in Computer Science 8474, Springer, New York, 2014
5. Leonard Barolli, Fatos Xhafa, Ciprian Dobre, Nik Bessis, Ștefan Trausan-Matu (eds.), *Proceedings of the Third International Conference on Emerging Intelligent Data and Web Technologies*, 2012
6. Ștefan Trausan-Matu, Dan Tufis (eds.), *Lucrarile celei de-a opta Conferința Națională de Interacțiune Om-Calculator, RoCHI2011*, (*“Human-Computer Interaction 2011, Proceedings of the Eight Romanian HCI Conference, RoCHI2011”*, in Romanian), Ed. MatrixRom, Bucharest, 2011
7. Ștefan Trausan-Matu (ed.), *Proceedings of the First International K-Teams Workshop*, ISBN 978-606-515-268-7, Ed. PolitehnicaPress, Bucharest, 2011
8. Ștefan Trausan-Matu, Philippe Dessus (eds.), *Proceedings of the Second Workshop on Natural Language in Support of Learning: Metrics, Feedback and Connectivity*, ISBN 978-973-755-634-9, Ed. MatrixRom, Bucharest, 2010
9. Philippe Dessus, Ștefan Trausan-Matu, Peter van Rosmalen & Fridolin Wild (eds.), *Proceedings of the Workshop on Natural Language Processing in Support of Learning: Metrics, Feedback and Connectivity*, Conference on Artificial Intelligence on Education, Brighton, 2009
10. I. Chirilă, P. Comșa, C. Sonea, R. Ionescu, S. Iloaie, S. Mihalache, S. Trausan-Matu, F. Caragiu, C. Munteanu, D. Chitoiu, *Repere patristice în dialogul dintre teologie și știință*, ISBN 978-973-88968-5-7, Ed. Basilica, 2009
11. Ștefan Trausan-Matu (ed.), *Interacțiunea conversațională în sistemele colaborative pe Web*, (*“Conversational Interactions in Web-based Collaborative Systems”*, in Romanian), Ed. MatrixRom, 2008
12. Ștefan Trausan-Matu, Valentin Cristea, Octavian Udrea, *Sisteme inteligente pentru instruire*, (*“Intelligent e-Learning Systems”*, in Romanian), ISBN: 973-8449-85-5, PolitehnicaPress, Ed. PolitehnicaPress, 2005.
13. Ștefan Trausan-Matu, Programare în Lisp; Inteligența artificială și Web Semantic, (*“Programming in Lisp; Artificial Intelligence and Semantic Web”*, in Romanian), ISBN 937-681-682-6, Polirom, 2004.
14. Ștefan Trausan-Matu, Costin Pribeanu (eds.), *Lucrarile primei Conferințe Naționale de Interacțiune Om-Calculator RoCHI2004*, (*“Proceedings of the First Romanian HCI Conference, RoCHI2004”*, in Romanian), Printech, 2004.
15. G.G., Constandache, Ștefan Trausan-Matu, M. Albu, C. Niculescu, *Filosofie și științe cognitive*, (*“Cognitive Science and Philosophy”*, in Romanian), ISBN 973-685-409-4, Ed. MatrixRom, 2002,
16. Ștefan Trausan-Matu, Claudia Raibulet, Ovidiu Constantin, *Prelucrarea documentelor folosind XML și Perl*, (*“Document Processing with XML and Perl”*, in Romanian), ISBN 973-685-224-5, Ed. MatrixRom, 2001.

17. G.G., Constandache, Stefan Trausan-Matu, *Ontologie si hermeneutica in stiinta calculatoarelor*, (“*Ontology and Hermeneutics in Computer Science*”, in Romanian), ISBN 973-31-1585-1, Ed. Tehnica, 2001.
18. Stefan Trausan-Matu, *Interfatarea evoluata om-calculator*, (“*Advanced Human-Computer Interfacing*”, in Romanian), Ed. MatrixRom, ISBN 973-685-192-3, 2000
19. Stefan Trausan-Matu, *Probleme de programare in limbaje avansate*, (“*Problems in advanced programming languages*”, in Romanian), Ed. Printech, ISBN 973-652-221-0, 2000

## **Capitole de cărți (selecție 2000-2016)**

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2. Stefan Trausan-Matu, Etica, o perspectivă dialogică în inteligența artificială și religie, în Marin Bălan, Valentin Mureșan (eds.) *Etica în știință, religie și societate*, Editura Universității din București, 2015, pp. 185-196
3. Stefan Trausan-Matu, Timp, kairos și cronotop, în inteligența artificială, lingvistică și teologie, în Adrian Lemeni, Adrian Sorin Mihalache (coord.) „*Viață și conștiință în orizontul temporalității - Abordare teologică, filosofică și științifică*”, Editura Basilica, 2015, pp. 179-189
4. Stefan Trausan-Matu, Persoana, comunitate și comuniune în spațiul real și virtual, în Adrian Lemeni, Adrian Sorin Mihalache (coord.) „*Realitatea și semnificația spațiului - Abordare teologică, filosofică și științifică*”, Editura Basilica, 2014, pp. 217-227
5. Dascalu, M., Dessus, P., Bianco, M., Trausan-Matu, S., & Nardy, A. (2014). Mining Texts, Learners Productions and Strategies with ReaderBench. In A. Peña-Ayala (Ed.), *Educational Data Mining: Applications and Trends. Switzerland: Studies in Computational Intelligence*, vol. 524, Springer, 345-377, 2014
6. Stefan Trausan-Matu, Collaborative and Differential Utterances, Pivotal Moments, and Polyphony, in Daniel D. Suthers, Kristine Lund, Carolyn Penstein Rosé, Chris Teplovs, Nancy Law (Eds.), *Productive Multivocality in the Analysis of Group Interactions*, Computer-Supported Collaborative Learning Series Volume 15, 2013, Springer, New York, pp 123-139
7. Stefan Trausan-Matu, Polyphonic Analysis of Discourse in online Conversations with multiple participants, in Tufis, D., Rus, V., Forascu, C. (eds.), *Towards Multilingual Europe: A Romanian Perspective*, Ed. Academiei, Bucuresti, 2013, pp. 349-364
8. Rebedea T., Trausan-Matu S., Chiru C. - Inter-animation between Utterances in Collaborative Chat Conversations, in Hwee Ling Lim and Fay Sudweeks (eds.) *Innovative Methods and Technologies for Electronic Discourse Analysis*, IGI Global, pp. 63-94 (2013).
9. Ștefan Trăușan-Matu, Ștefan Afloroaei, Limbaj, comunicare și dialog, în: Ștefan Afloroaei, Adrian Lemeni, Sorin Mihalache (coord.), „*Teologie, Filosofie, Știință – perspective interdisciplinare*”, Editura Universității „Alexandru Ioan Cuza”, 2013, pp. 19-30
10. Ștefan Trăușan-Matu, Ștefan Afloroaei, Metodă și argumentare în știință, filosofie și teologie, în: Ștefan Afloroaei, Adrian Lemeni, Sorin Mihalache (coord.), „*Teologie, Filosofie, Știință – perspective interdisciplinare*”, Editura Universității „Alexandru Ioan Cuza”, 2013, pp. 31-42
11. Ștefan Trăușan-Matu, Ștefan Afloroaei, Logică participativă, logică formală și inteligența artificială, în: Ștefan Afloroaei, Adrian Lemeni, Sorin Mihalache (coord.), „*Teologie, Filosofie, Știință – perspective interdisciplinare*”, Editura Universității „Alexandru Ioan Cuza”, 2013, pp. 43-54
12. Ștefan Trăușan-Matu, Ștefan Afloroaei, Ipostaze ideologice ale cunoașterii în știință, filosofie și teologie, în: Ștefan Afloroaei, Adrian Lemeni, Sorin Mihalache (coord.), „*Teologie, Filosofie, Știință – perspective interdisciplinare*”, Editura Universității „Alexandru Ioan Cuza”, 2013, pp. 71-80
13. Gelu Bourceanu, Sorin Mihalache, Ștefan Afloroaei, Ștefan Trăușan-Matu, Modele cosmologice actuale. Spațialitate și temporalitate, în: Ștefan Afloroaei, Adrian Lemeni, Sorin Mihalache (coord.), „*Teologie, Filosofie, Știință – perspective interdisciplinare*”, Editura Universității „Alexandru Ioan Cuza”, 2013, pp. 95-114
14. Gelu Bourceanu, Sorin Mihalache, Ștefan Trăușan-Matu, Energie, materie, informație, în: Ștefan Afloroaei, Adrian Lemeni, Sorin Mihalache (coord.), „*Teologie, Filosofie, Știință – perspective interdisciplinare*”, Editura Universității „Alexandru Ioan Cuza”, 2013, pp. 115-128
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16. Stefan Trausan-Matu, Destinul inteligenței artificiale, in G.G. Constandache (ed.) *Destinul în filosofie, știința și arta*, Ed. Alma, Craiova, 2012, pp. 22-27
17. Stefan Trausan-Matu, Ontology-Based Interoperability in Knowledge-Based Communication Systems, in G. Falquet et al., *Ontologies in Urban Development Projects*, Part.2, Advanced Information and Knowledge Processing vol. 1, DOI 10.1007/978-0-85729-724-2\_9, Springer-Verlag London Limited 2011, Pages 139-152
18. Stefan Trausan-Matu, The Polyphonic Model of Hybrid and Collaborative Learning, In Wang, F.,L., Fong., J., Kwan, R.C., *Handbook of Research on Hybrid Learning Models: Advanced Tools, Technologies, and Applications*, Information Science Publishing, Hershey, New York, pp 466-486 (2010)
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20. Stefan Trausan-Matu, Traian Rebedea, Polyphonic Inter-Animation of Voices in VMT, in Stahl.G. (Ed.), *Studying Virtual Math Teams* (pp. 451 - 473). Boston, MA: Springer US, (2009)
21. Stefan Trausan-Matu, Dialogistica lui Bahtin: polifonie, ventrilogism, carnavalesc, inter-animare, în Constandache, G.G. (Ed.) *Comunicarea - sugestie și influența*, Editura Sigma, pp. 39-44, (2009)
22. Adrian Lemeni, Ștefan Trăușan-Matu, Ingognoscibilitatea, premisă a gnoseologiei patristice valorificată în contextul epistemologic al științei contemporane, in A. Lemeni (coord.), *Repere patristice în dialogul dintre teologie și știință*, Ed. Basilica, pp. 62-126, (2009)
23. Ștefan Trăușan-Matu, Neacsu, A., An Ontology-Based Intelligent Information System for Urbanism and Civil Engineering Data, in J. Teller; C. Tweed; G. Rabino (Eds.) *Conceptual Models for Urban Practitioners*. Societă Editrice Esculapio, Bologna, pp. 85-92, 2008
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32. Stefan Trausan-Matu, Modelarea conceptuală și noile caracteristici culturale în societatea cunoașterii, în L. Pană (ed.), *Modele culturale ale societății cunoașterii din perspectiva culturii tehnice*, Ed. Politehnica Press, pp. 21-33, 2006
33. Stefan Trausan-Matu, Analiza cerintelor modelării culturii ca sistem. Construirea, prelucrarea și partajarea cunostintelor, în Laura Pana (ed.), *Evoluția sistemelor de valori sub influența culturii tehnice*, Editura Politehnica Press, pp.51-58, 2005
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## Articole cu recenzii în domeniul calculatoarelor (selecție 2000-2016)

2016

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11. Liviu Matei, Ștefan Trausan-Matu (2016) Named entities distribution in newspaper articles *The 12th International Scientific Conference eLearning and Software for Education Bucharest*
12. Liviu Matei, Ștefan Trausan-Matu, Document Semantic Distance based on the Time Series Model, Accepted at IEEE RoEduNet Conference 2016
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