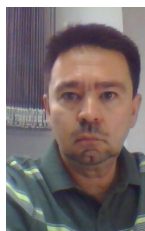


Curriculum vitae Europass



Informații personale

Nume / Prenume

Istrate, Gabriel

Educație

Ph.D. (doctorat) in informatică

University of Rochester, Rochester, NY

(Data susținerii: May 28 1999)

*Titlul tezei: "Phase transitions in combinatorial optimization problems: towards rigorous results".
Indrumător: Mitsunori Ogihara*

Licențiat in Matematică

Universitatea din București, Romania

*Titlul tezei: "Darboux-type properties in Real Analysis".
Indrumător: Prof. Solomon Marcus*

Poziții

Conferențiar

Departamentul de Informatică, Facultatea de matematică și informatică, Universitatea de Vest din Timișoara, Romania

Aprilie 2013 – prezent

Membru al școlii doctorale de Informatică, abilitat să conducă doctorate prin O.M. 4881 din 18.08.2015

Cercetător

Institutul eAustria Timișoara, Romania

Martie'07 – prezent

Investigator Principal, Grant CNCS-IDEI 2012-2016.

Cercetător (technical staff member)

Cercetător Postdoctoral

Publicații selectate

Membru, Comitetul de Management, acțiunea COST IC-0901 "Rich Model Toolkit: An Infrastructure for Reliable Computer Systems"

Fellow, grantul Marie Curie de reintegrare internațională IRG-046573, "Phase transitions in Computational Complexity and Formal Verification: Towards Generic and Realistic Approaches".

CCS-5 "Basic and Applied Simulation Science", Los Alamos National Laboratory

Septembrie 2001 - Februarie 2007

Center for Nonlinear Sciences and CCS-3, Los Alamos National Laboratory

Septembrie 1999 - August 2001

O listă mai completă e disponibilă la adresa <http://tcs.ieat.ro/members/gistrate>

- editor (cu A. Percus, and C. Moore) *Computational Complexity and Statistical Physics*, Oxford University Press, ISBN 0-19-517738-X, 2006. Volum publicat in seria *The Santa Fe Institute Lecture Series on the Sciences of Complexity*

- James Aisenberg, Maria Luisa Bonet, Sam Buss, Adrian Craciun and Gabriel Istrate. Short Proofs of the Kneser-Lovász Coloring Principle. In *Proceedings of the 42nd International Colloquium on Automata, Languages, and Programming (ICALP 2015)*, Lecture Notes in Computer Science vol. 9135, pp. 44-55. 2015.

- Gabriel Istrate, Cosmin Bonchiș. Partition into heapable sequences, heap tableaux and a multiset extension of Hammersley's process. In *Proceedings of the 26th Annual Symposium on Combinatorial Pattern Matching (CPM' 2015)*, Lecture Notes in Computer Science 9133, pp. 261-271. Springer Verlag, 2015.

- Gabriel Istrate, Adrian Crăciun. Proof complexity and the Kneser-Lovász Theorem. In *Proceedings of the 17th International Conference on Theory and Applications of Satisfiability Testing (SAT' 14)*, vol. 8561, pp. 138-153. Lecture Notes in Computer Science, Springer Verlag, 2014.

Premii și recunoaștere

- Cristopher Moore, Gabriel Istrate, Demetrios Demopoulos and Moshe Y. Vardi. A Continuous-Discontinuous Second-Order Transition in the Satisfiability of Random Horn-SAT Formulas. *Random Structures and Algorithms*, 31(2), pp. 173-185, 2007.
- Gabriel Istrate. The Phase Transition in Random Horn satisfiability and its algorithmic implications. *Random Structures and Algorithms*, vol. 20 no. 4, pp. 483-506, 2002.
- Gabriel Istrate. Computational Complexity and Phase Transitions. In *Proc. 15th IEEE Conference on Computational Complexity*, 2000.

Pentru informații mai detaliate consultați <http://tcs.ieat.ro/members/gistrate>

Prezentator invitat, *18th Int. Conference on Descriptive Complexity of Formal Systems (DCFS'2016)*.

Membru, comitetul editorial, *Computer Science Review*, Elsevier.

Membru al comitetului de program al conferințelor Machines Computation and Universality (MCU'2013, MCU'2015), International Colloquium on Automata, Languages and Programming (ICALP'02), SYNASC (2009-prezent), DACS (2014-2015)

Un rezultat propriu inclus (ca problemă) în volumul 4 al monografiei lui D. Knuth "The Art of Computer Programming"

Coordonate

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