EΘNIKON & KAΠOΔIΣTPIAKON
ΠANEΠIΣTHMION AΘHNΩN
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Academic Qualifications

- 2000: Habilitation à diriger de recherches Univ. of Nice & Sophia-Antipolis, France
- 1994: PhD in Computer Science, Division of Computer Science, EECS, UC Berkeley
- 1991: MSc in Computer Science, Division of Computer Science, EECS, UC Berkeley
- 1989: BScEng in Computer Science, Dept of Computer Science, Princeton University

Appointments

- 2002 / 2007–today: Assoc. / Full Professor, Dept Informatics & Telecoms, U. of Athens
- 2009: Visiting Researcher, Paris: ENS-Ulm, ENC, INRIA, U.Evry, IHES, U.Dauphine/CNRS
- Oct. 1995 -- 2002: Tenured Researcher, INRIA Sophia-Antipolis, France
- Summer 2001: Visiting Researcher, Ontario Res. Center in Computer Algebra
- 2000: Visiting Researcher, CS, U.Crete
- Jan.–Oct. 1995: EU HCM Postdoctoral Fellowship, INRIA Sophia-Antipolis, France

Teaching and Students (U.Athens)

Undergrad courses:
    Mathematics for Computer Science
    Computational Geometry
Grad courses:
    Computational Algebra
    Algorithms in Structural Bioinformatics
PhD students / Postdocs:
    PhD: 4 past, 2 current
    Postdoc: 3 past, 2 current

Research

- Computer algebra
- Computational Geometry
- Computer-Aided Geometric Design
- Robotics, and Structural Bioinformatics

Publication record

- 31 journal articles (J. ACM, SIAM J. Comput.)
- 42 refereed conference papers (FOCS, SODA, ISSAC, SoCG, ICRA, SPM, ICASSP)
- Author of textbook (in Greek), co-editor of 2 volumes (Springer) and 2 Special Issues
- >320 citations (Citeseer 2005). H-index=25

Top publications

- J.F. Canny and I.Z. Emiris. A subdivision-based algorithm for the sparse resultant. J. ACM, 47:417-551, 2000
- D. Daney and I.Z. Emiris. Robust parallel robot calibration with partial information. In Proc. IEEE Intern. Conf. Robotics & Automation, pages 3262–3267, Seoul, S. Korea, 2001
- I. Emiris and T. Nikitopoulos. Molecular conformation search by distance matrix perturbation. J. Math. Chemistry, 37:233-253, 2005
- E. Tsigaridas and I. Emiris. On the complexity of real root isolation using continued fractions. Theoret. Computer Science, 392:158-173, 2008
- I.Z. Emiris, E.P Tsigaridas, and G.M. Tzoumas. Exact Delaunay graph of smooth convex pseudo-circles: General predicates, and implementation for ellipses. In Proc. SIAM/ACM Conf. Geometric & Solid Modeling, pages 211–222, 2009
- I. Emiris, B. Mourrain, E.Tsigaridas. DMM bound Multivariate (aggregate) separation bound. In Proc ACM Intern. Sympos. Symbolic and Algebraic Computat., pp. 243-250. 2010. Best Paper Award

Distinctions

- Distinguished Paper Awards, ACM International Symposium on Symbolic & Algebraic Computation (ISSAC). 2002, 2010
- EU TMR Postdoc fellowship (declined), Fall 1995
- Full tuition, room and board scholarship, Princeton University, 1985-89

Activities (U.Athens)

- Program Committee Chair. Annual ACM International Symposium on Symbolic & Algebraic Computation (ISSAC) 2011
- Associate Editor, J. Symbolic Computation, Elsevier, since 2003
- Guest co-editor: Theoretical Computer Science, 2004. Computational Geometry: Theory and Applications, 2008
- 3 EU projects (FP6, FP7): FET-Open STREP, Marie-Curie Initial Training Net
- Head of Department's Division of "Computer Science Theory", since 2010
- Co-organizer: "Global optimization", Schroedinger Institute Vienna 2006; "Nonlinear Computational Geometry", IMA Minneapolis, Year on Applications of Algebraic Geometry, 2006-07