

Activities

Frank Nielsen

Selected invited talks

- Computational Geometry for Statistics, International Workshop on Anomalous Statistics, Generalized Entropies, and Information Geometry (2012).
- Computational Information Geometry: From Euclidean to flat Pythagorean geometries, Mathematics and Image Analysis (2009).
- Computational Photography, Le modèle et l’algorithme, INRIA Rocquencourt (2008).

Conference organizer & chair

- Emerging Trends in Visual Computing (ETVC 2008), <http://www.lix.polytechnique.fr/etvc08/>
- Indo-French workshop on “Matrix Information Geometries: Applications in Sensor and Cognitive Systems Engineering” (MIG 2011), <http://www.informationgeometry.org/MIG/>

Program committees

- International Conference on Computer Vision (ICCV 2011), Area Chair
- Information Theory in Computer Vision workshop (ITinCVPR) (in conjunction with ICCV 2011), PC
- 23ème colloque du traitement du signal (GRETSI 2011), PC
- International Conference on Voronoi Diagram (ISVD 2011), PC
- European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD 2011), PC
- Conférence Francophone d’Apprentissage (CAp 2011), PC
- European Conference on Machine Learning (ECML 2010), PC
- International Symposium on Voronoi Diagrams (ISVD 2010), PC
- Advanced Concepts for Intelligent Vision Systems, PC (ACVIS 2008-2011), PC
- IEEE International Conference on Data Engineering (ICDE 2010), PC

- MIRAGE Computer Vision/Computer Graphics Collaboration Techniques and Applications, Program co-chair, Springer (MIRAGE 2009), PC
- IEEE Workshop on 3D Cinematography (CVPR 2007), PC
- ACM Symposium on Computational Geometry (SoCG 2007), PC
- IEEE Workshop on 3D Cinematography (CVPR 2006), PC
- ...

PhD dissertation and P&T jury

P&T: Promotion & Tenure jury

HDR: accreditation to lead research

December 2011	Trung T. Nguyen (PhD)	INRIA-Nice University (reviewer)
August 2010	Arindam Banerjee (P& T)	University of Minnesota (USA)
September 2010	Masatoshi Funabashi (PhD)	CREA Polytechnique (reviewer)
June 2010	Olivier Bau (PhD)	Orsay University
November 2009	Hichem Snoussi (HDR)	UTT, Troyes
November 2009	Nicolas Thorstensen (PhD)	Ecole Nationale des Ponts et Chaussées
June 2009	Giacomo Nannicini (PhD)	Ecole Polytechnique
July 2008	Sylvain Boltz (PhD)	CNRS I3S (reviewer)
June 2008	Claudia Henry (PhD)	CEREGMIA, UAG
December 2008	Vincent Garcia (PhD)	CNRS I3S (reviewer)

Reviewer for funding agencies

- European Commission FP7 Expert
- French National Agency for Research (ANR)
- Netherlands Organization for Scientific Research (NWO)
- Czech Science Foundation (GACR)

Peer reviewer

Mathematics of Distances and Applications (MDA 2012), ACM Symposium on Computational Geometry (SoCG 2012), ...

Regular reviews for

- Journal: Information Processing Letters (IPL, Elsevier), Linear Algebra and Applications (LAA), MDPI Entropy, IEEE Computer Graphics & Applications, Discrete Applied Mathematics, IEEE Transactions on Knowledge and Data Engineering (TKDE), Pattern Recognition Letters (PRL, Elsevier), IEEE Transactions on Image Processing (TIP), ...

- Conference: Symposium on Computational Geometry (SoCG), SIGGRAPH (US& Asia), CVPR, ICCV, ECML, ICDE, WALCOM, STACS, Symposium on Rendering (EGSR), ...

Research visitor

- 1993 University of Odense (Denmark), Computer Science Dept.
- 1995 Max Planck Institute (Germany), Algorithms Dept.)
- 1996 University of Tokyo (Japan), Information Science Dept.
- 1996 University of Hong Kong (ROC), Computer Science Dept.
- 1999 University of Beer Sheva (Israel), EE and Mathematics Dept.

Societies

- IEEE (SSP), senior member
- ACM, senior member