

François Brémont

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CURRENT STATUS

- ✓ **Research Director** at INRIA in Sophia-Antipolis
- ✓ Head of **STARS** team on video understanding (25 scientists, including PhD students and engineers)
- ✓ Co-director of CoBTek Team of Nice University

KEY COMPETENCES

- ✓ **Research** in Video Analytics, Video Understanding, Activity Monitoring, Cognitive Vision, Deep Learning and Control of Vision Software.
- ✓ **Publications**: author or co-author of 200 scientific publications in international journals and conferences
- ✓ **PhDs theses supervision**: 18 PhD theses between 1998 and 2018 plus 6 PhD theses ongoing
- ✓ **Patent and Software**: co-inventor of 3 software (VSIP, VisEval and PFC)
- ✓ **Technological transfer**: in video monitoring (40 R&D projects, 1 DARPA project and 12 industrial contracts, co-founder of 3 start-up **Keeneo**, **NeoSensys**, **Ekinnox**)

PROFESSIONAL EXPERIENCE

- 2009- 2018 ➤ Head of PULSAR and STARS teams at **INRIA Sophia-Antipolis**, on Activity Recognition
- 2000- 2009 ➤ Technical leader of Orion team on video understanding, **INRIA Sophia-Antipolis**,
- 1997 – 2000 ➤ Post-Doctoral position at **University of Southern California (U.S.C.) , Los Angeles - U.S.A.**
- 1993 – 1997 ➤ PhD student at **INRIA Sophia-Antipolis**

EDUCATION

- 1993 – 1997 ➤ **INRIA Sophia-Antipolis, France**, PhD thesis at the University of Nice – Sophia-Antipolis
- 1989 -1992 ➤ **École Normale Supérieure de Lyon**, Master in Computer Engineering

H-index de google scholar

Citations 5097 (all) 2788 (since 2012)
H-index 39 27

Selected publications:

- König, C. Crispim, A. Covella, F. Brémont, A. Derreumaux, G. Bensadoum, R. David, F. Verhey, P. Aalten and P.H. Robert. Ecological Assessment of Autonomy in Instrumental Activities of Daily Living in Dementia Patients by the means of an Automatic Video Monitoring System, *Frontiers in Aging Neuroscience*, June 2015.
- S. Bak, M. Biagio, R. Kumar, V. Murino and F. Brémont, Exploiting Feature Correlations by Brownian Statistics for People Detection and Recognition, *IEEE Transactions on Systems, Man and Cybernetics: Systems*, 2016.
- Crispim-Junior, K. Avgerinakis, V. Buso, G. Meditskos, A. Briassouli, J. Benois-Pineau, Y. Kompatsiaris and F. Brémont. Semantic Event Fusion of Different Visual Modality Concepts for Activity Recognition, *Transactions on Pattern Analysis and Machine Intelligence - PAMI* 2016.
- K.N. Dhandapani and F. Brémont. Globality-Locality Based Consistent Discriminant Feature Ensemble for Multicamera Tracking, In the *IEEE Transactions on Circuits and Systems for Video Technology - 2016*.
- Dantcheva and F. Brémont. Gender estimation based on smile-dynamics, in the *IEEE Transactions on Information Forensics & Security*, 2016.
- P. Bilinski and F. Brémont. Video Covariance Matrix Logarithm for Human Action Recognition in Videos. The International Joint Conference on Artificial Intelligence, *IJCAI 2015*, Buenos Aires, Argentina from July, 2015.
- F. Negin, S. Cosar, M. Koperski, and F. Brémont. Generating Unsupervised Models for Online Long-Term Daily Living Activity Recognition. The 3rd IAPR Asian Conference on Pattern Recognition, Malaysia, November, 2015.
- F. Khan and F. Brémont. Multi-shot Person Re-identification using Part Appearance Mixture. In *Proceedings of the Winter Conference on Applications of Computer Vision, WACV 2017*, Santa Rosa, 27-29th March 2017.