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Dominique GINHAC

SUMMARY

Deputy Director of the LE2I laboratory

More than ten years of experience in the fields of image processing software development and hardware design of smart vision systems.

Knowledge and experience in various fields ranging from cognitive processes used in vision to VLSI design of dedicated image sensors.

Main research topics are image acquisition on smart CMOS VLSI chips and embedded image processing on dedicated imaging systems

EDUCATION

1999	Ph.D. in Electrical Engineering, Université Blaise Pascal, Clermont Fd, France
1995	M.S. in Electrical Engineering, Université Blaise Pascal, Clermont Fd, France

PROFESSIONAL EXPERIENCE

From 9/2009	Professor of Electrical Engineering, Université de Bourgogne, France
9/2000 – 8/2009	Associate Professor of Electrical Engineering, Université de Bourgogne, France
9/2007 – 8/2009	Visiting Researcher of Cognitive Sciences, Université Libre de Bruxelles, Belgium
9/1999 – 8/2000	Assistant Professor of Computer Science, Université Blaise Pascal, France

MAIN PUBLICATIONS

D. Ginhac, J. Dubois, M. Paindavoine, B. Heyrman *A high speed programmable focal-plane SIMD vision chip*. Analog Integrated Circuits and Signal Processing, 65(3), pp. 389-398, dec 2010 – http://dx.doi.org/10.1007/s10470-009-9325-7

D. Ginhac, J. Dubois, M. Paindavoine, B. Heyrman *A SIMD Programmable Vision Chip with High Speed Focal Plane Image Processing*. EURASIP Journal of Embedded Systems – Special Issue on Design and Architectures for Signal and Image Processing, Article ID 961315, 13 pages, jan 2009. – http://dx.doi.org/10.1155/2008/961315

J. Dubois, **D. Ginhac**, M. Paindavoine, B. Heyrman *A 10 000 frames/s CMOS Image Sensor with Multi-Processing Pixel*. IEEE Journal of Solid-State Circuits, 43(3), 706-717, 2008– http://dx.doi.org/10.1109/JSSC.2007.916618

J. Sérot, **D. Ginhac**. *Skeletons for parallel image processing: an overview of the SKiPPER project*, Parallel Computing, 28(12), 1785-1808, 2002 – http://dx.doi.org/ 10.1016/S0167-8191(02)00189-8 –

J. Sérot, **D. Ginhac**, R. Chapuis, J.P. Dérutin. *Fast prototyping of parallel vision applications using functional skeletons*. Journal of Machine Vision and Applications, 12(6), 271-290, 2001– http://dx.doi.org/10.1007/s001380050146