Curriculum Vitae

Antoine Picot

Laboratory of Plasma and Energy conversion (LAPLACE) - UMR5213
Control and Diagnostic Team (CODIASE)
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Associate Professor
LAPLACE - ENSEEIHT
PhD. in Control Systems and Signal Processing
MS. in Telecom Engineering
MS. in Image and Signal Processing

Bio sketch

Antoine Picot graduated from the Telecom Department of the Institut National Polytechnique (INP) Grenoble, France in 2006. He received the MS. degree in signal, image, speech processing and telecommunications in 2006 and his PhD. in automatic control and signal processing in 2009 from the INP Grenoble. He is actually an associate professor at the INP Toulouse. He is also a Researcher with the Laboratory of Plasma and Energy Conversion (LAPLACE). His research interests are in monitoring and diagnosis of complex systems using signal processing, statistics and artificial intelligence techniques.

Research activities

Keywords: Statistical signal processing, Time frequency and time scale analysis, Monitoring and Diagnosis, Prognostic, Electric Systems, Pattern matching, Image processing.

Associate Professor (Maître de Conférences), LAPLACE, INP Toulouse, France.
Control and Diagnosis Team
Topic: Monitoring and Diagnosis for Energy Conversion Systems.

Post-doctoral research associate, Sleep, Metabolism and Health Center (SMAHC), University of Chicago, USA.
Topic: Slow activity detection and characterization in sleep EEG.

PhD. Thesis, Gipsa-Lab, INP Grenoble, France
Topic: Driver drowsiness monitoring using brain activity (EEG) and video information.

PhD students:
Collaborations:
• Alice Caplier (University of Grenoble, France)
• Sylvie Charbonnier (University of Grenoble, France)
• Florian Chapotot (University of Chicago, USA)
• Marie Chabert (University of Toulouse, France)

Scientific production (cf Publication list):
• 3 articles in international journals
• 1 book chapter
• 13 articles in international conferences
• 1 article in journal paper in minor revision (November 2013)

Refereeing activities:
• Machine Vision and Applications (Springer)
• Transactions on Biomedical Engineering (IEEE)

Teaching activities

Since 2011
Associate Professor (Maître de Conférences), ENSSEIHT, INP Toulouse, France.
Electrical Engineering and Automatics Department
Topics: Signal processing, Computer Science, Automation, Control systems.

2009-2010
Teaching Assistant, Phelma, INP Grenoble, France.
Topics: Computer Science, Mathematics.

2006-2009
Lectureship, INP Grenoble, France
Topics: Signal Processing, Electronic, Image Processing, Database management.
PUBLICATION LIST

ACCEPTED

International journals:


Book chapters:


International conferences:


Picot, A., S. Charbonnier and A. Caplier (2011). EOG-based drowsiness detection: Comparison between a fuzzy system and two supervised learning classifiers. 18th World Congress of the International Federation of Automatic Control (IFAC), Milano, Italy.


National conferences:


**Communications:**


**SUBMITTED**

**International journals:**


**International conferences:**


**National conferences:**