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Electronique, Electrotechnique, Automatique, Mesures

Pascal Chevalier

1. Education

2009: Habilitation à Diriger des Recherches - Université de Marne La Vallée
1991: PHD Thesis - Université Paris XI (Orsay)
1987: DEA Automatique et Traitement du Signal - Université Paris VII (Jussieu)
1985: Engineer Diploma - Ecole Nationale Supérieure des Techniques Avancées

2. Employments

2010: CNAM Professor - Holder of the Electronic Chair

Thales-Communications-Security Expert in Signal Processing (III.B)

2003: Thales Communications Expert in Array Processing (Level III.B)
1995: Thales Communications Specialist in Array Processing (Level III.A)
1991: Thales Communications Engineer in Array Processing (Level II)
1986: Thales Communications CIFRE PHD Student in Array Processing (Level I)

LSS Supelec CIFRE PHD Student in Array Processing

3. Research Interests

Interference rejection for SIMO passive listening systems
Interference rejection for SIMO/MIMO radiocommunications systems
Spatio-temporal modem for SIMO/MIMO radiocommunications systems
Higher order blind source separation of cyclostationary sources
Higher order blind identification of underdetermined mixtures of sources
Higher order high resolution direction finding for circular and non circular signals
Widely linear array processing for second order non circular signals
Widely non linear processing for higher order non circular signals

Widely linear FRESH filtering for second order non circular and cyclostationary signals
Equalization and interference rejection for SISO/SIMO/MIMO FBMC-OQAM signals
MIMO systems for single carrier waveform and frequency selective propagation channels

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