

### 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

<https://eeam.cnam.fr/electronique-automatique/enseignants-chercheurs-/pascal-chevalier--588201.kjsp?RH=14903723>