



**Claude Chappert** received his "Docteur d'Etat" Diploma in 1985 from Université Paris Sud, after graduating from the "Ecole Normale Supérieure de Saint Cloud". He is now Research Director at CNRS, with over 25 years experience in research on magnetic ultrathin films and nanostructures, and their applications to ultrahigh density recording. One year was spent at the IBM Almaden research Center, San José, USA. He currently leads a research group on "*Nanospintronics*" within Institut d'Electronique Fondamentale at University Paris Sud-Orsay. His major interests were on perpendicular interface anisotropy materials, oscillating interlayer interaction, magnetization reversal in ultrathin films and dot arrays, ion irradiation patterning of magnetic materials, and now sub-ps magnetization dynamics of MRAM cells and magnetoresistive sensors. He has co-authored more than 200 papers, filed 4 patents, and was awarded in 2000 the Silver Medal of CNRS for his research achievements.