



**DISCOVER WORKSHOP**  
**“Recent Advances in Distributed Video Coding”**  
**November 6, 2007**

**Workshop Programme**

**8:30** Welcome and Presentation of the DISCOVER Project  
[Luis Torres, UPC, Spain, on behalf of the DISCOVER project.](#)

**Session I: Distributed Source Coding**

Session chair: [Fernando Pereira, IST, Portugal.](#)

**8:50** Distributed Video Coding: An Overview  
Speaker: [Zixiang Xiong, Texas A&M University, USA.](#)

**9:30** Distributed Joint Source-Channel Coding  
Speaker: [Javier Garcia-Frias, University of Delaware, USA.](#)

**10:00** Distributed Source Coding with Unsupervised Statistical Learning  
Speaker: [David Varodayan, Stanford University, USA.](#)

Coffee Break (10:30– 10:50)

**10:50** On Source and Channel Codes for Distributed Source Coding  
Speaker: [Christine Guillemot, INRIA, France, on behalf of the DISCOVER project.](#)

**11:20** Distributed Source Coding for Secure Fingerprint Biometrics  
Speaker: [Anthony Vetro, Mitsubishi Electric Research Laboratories, MERL, USA.](#)

**Session II: Distributed Monoview Video Coding**

Session chair: [Joern Osterman, University of Hannover, Germany](#)

**11:50** Side Information and the Correlation Channel in DVC  
Speaker: [Inald Lagendijk, Technical University of Delft, The Netherlands.](#)

**12:20** DISCOVER Monoview Video Codec

Speaker: [Fernando Pereira](#), IST, Portugal, on behalf of the DISCOVER project.

Lunch Break (12:50-14:30)

**14:30** Error Resilience Assessment of the DISCOVER Codec  
Speaker: [Riccardo Leonardi](#), University of Brescia, Italy, on behalf of the DISCOVER project.

**15:00** Distributed Video Coding Applications for Scalable and Flexible Decoding  
Speaker: [Ngai-Man Cheung](#), [Antonio Ortega](#), University of Southern California, USA.

**15:30** Distributed Video Coding: A Technique or a Toolbox?  
Speaker: [Edward Delp](#), Purdue University, USA.

Coffee Break (16:00– 16:20)

### Session III: Distributed Multiview Video Coding

Session chair: [Luis Torres](#), UPC, Spain

**16:20** Distributed Visual Information Processing in Camera Sensor Networks  
Speaker: [Pier Luigi Dragotti](#), Imperial College, UK.

**16:50** A Geometrical Framework for Distributed Coding of Multiview Images  
Speaker: [Ivana Tasic](#) and [Pascal Frossard](#), EPFL, Switzerland.

**17:20** Fusion and DISCOVER Multiview Approach  
Speaker: [Touradj Ebrahimi](#), EPFL, Switzerland, on behalf of the DISCOVER project.

**17.50** End of the workshop

[Download as a PDF file](#)