



**Session : Geometric Compression (SPECIAL SESSION)**

**Time: 08:30 – 10:30**

**Chair:** *Atilla Baskurt, INSA Lyon*



**RECENT ADVANCES IN COMPRESSION OF 3D MESHES ([Abstract](#))**

Pierre Alliez (INRIA Sophia-Antipolis, France)



**PREDICTIVE VECTOR QUANTIZATION OF 3-D POLYGONAL MESH GEOMETRY BY REPRESENTATION OF VERTICES IN LOCAL COORDINATE SYSTEMS ([Abstract](#))**

Ulug Bayazit (Isik University, Turkey)  
Ozgur Orcay (Dogus University, Turkey)  
Umut Konur (Bogazici University, Turkey)  
Fikret Gurgen (Bogazici University, Turkey)

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**HIGH RATE COMPRESSION OF 3D MESHES USING A SUBDIVISION SCHEME ([Abstract](#))**

Guillaume Lavoué (LIRIS UMR 5205, France)  
Florent Dupont (LIRIS UMR 5205, France)  
Atilla Baskurt (LIRIS UMR 5205, France)



**MSE APPROXIMATION FOR MODEL-BASED COMPRESSION OF MULTIREOLUTION SEMIREGULAR MESHES ([Abstract](#))**

Frederic Payan (I3S laboratory, CNRS, University of Nice–Sophia Antipolis, France)  
Marc Antonini (I3S laboratory, CNRS, University of Nice–Sophia Antipolis, France)

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**GEOMETRY COMPRESSION OF TETRAHEDRAL MESHES USING OPTIMIZED PREDICTION**

**(Abstract)**

Dan Chen (Polytechnic University, United States)  
Yi-Jen Chiang (Polytechnic University, United States)  
Nasir Memon (Polytechnic University, United States)  
Xiaolin Wu (Polytechnic University, United States)



**EXTRACTION OF 3D NAVIGATION SPACE IN VIRTUAL URBAN ENVIRONMENTS (Abstract)**

Türker Yilmaz (Bilkent University, Turkey)  
Ugur Gudukbay (Bilkent University, Turkey)

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