

Halim Benhabiles

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Ph.D. candidate

CURRENT POSITION

2008 - Present • **Ph.D. candidate** (3D-mesh segmentation and evaluation),
Computer science laboratory of Lille, University of Lille, France.

EDUCATION

- 2008 • **M. Sc. in Computer Science**, Lille University.
- 2006 • **Engineer degree at USTHB, Algiers**;
(French "Université des sciences et de la technologie Houari Boumediene");
Specialization: Multimedia software engineering;
Major.
- 2001 • Algerian scientific Baccalaureate.

RESEARCH

Research Interests

Research fields • Shape analysis, learning, shape comparison and retrieval, shape edition, visualization;

Fields of interest • Surface parameterization, geometry processing, spectral analysis, image processing, virtual reality, telerobotic.

International Publications

- Journals
- **H. Benhabiles**, G. Lavoué, J-P. Vandeborre and M. Daoudi,
"Learning boundary edges for 3D-mesh segmentation",
Computer Graphics Forum (accepted for publication on 25 April 2011).
 - **H. Benhabiles**, J-P. Vandeborre, G. Lavoué and M. Daoudi,
"A comparative study of existing metrics for 3D-mesh segmentation evaluation",
The Visual Computer - International Journal of Computer Graphics,
Springer Editions, volume 26, number 12, pp. 1451-1466, December 2010.
- Conferences
- **H. Benhabiles**, G. Lavoué, J-P. Vandeborre and M. Daoudi,
"A subjective experiment for 3D-mesh segmentation evaluation",
IEEE International Workshop on Multimedia Signal Processing (MMSP'2010).
 - **H. Benhabiles**, J-P. Vandeborre, G. Lavoué and M. Daoudi,
"A framework for the objective evaluation of segmentation algorithms using a
ground-truth of human segmented 3D-models",
IEEE International Conference on Shape Modeling and Application (SMI) 2009.

National Publications

- Conferences
- **H. Benhabiles**, G. Lavoué , J-P. Vandeborre et M. Daoudi,
"Une expérimentation subjective pour l'évaluation de segmentations de maillages 3D"
Compression et Représentation des Signaux Audiovisuels (CORESA'2010), Lyon, France, 26-27 octobre 2010.
 - **H. Benhabiles**, J-P. Vandeborre, G. Lavoué et M. Daoudi,
"Une nouvelle métrique de similarité pour l'évaluation de segmentations de maillages 3D en utilisant un corpus de vérités-terrains",
22e Journées Annuelles de l'Association Francaise d'Informatique Graphique, Arles, France, 25-27 novembre 2009.
 - **H. Benhabiles**, , J-P. Vandeborre , G. Lavoué et M. Daoudi,
"Une collection de modèles 3D avec vérité-terrain pour l'évaluation objective des algorithmes de segmentation "
Compression et Représentation des Signaux Audiovisuels (CORESA'2009), Toulouse, France, 18-20 mars 2009.

ACADEMIC ACTIVITIES

University service

- 2008-Present
- Teaching fellow at TELECOM Lille 1, French Engineer School.

TELECOM Lille1

- Engineer - 1st year
- Introduction to algorithm and structured programming with C language;
- Engineer - 3rd year
- Data structures with C programming language;
 - Introduction to object oriented programming with Java;
 - Programming distributed applications with java;
 - Computer network;
- Engineer – 4th year
- Introduction to Linux;
- Engineer – 5th year
- Introduction to OpenGL.

INDUSTRIAL EXPERIENCES

- 2006-2007
- Network Engineer at S.A.R.L Metronome (Network & Telecom), Algiers.

COMPUTER SCIENCE SKILLS

- Operating Systems: Windows professionnel/XP/VISTA/7, Linux
- Object Programming: JAVA, C#, C++
- Structured Programming: C, Pascal
- System Programming: Assembly
- Web Programming: JSP, Java Servlet, HTML, PHP
- Database: MySQL, SQL Server
- Development tools: Eclipse, VTK, Microsoft Visual Studio, JMesh, Java 3D, OpenGL, ECJ, WEKA,
- Multimedia 2D/3D: Photoshop, Flash, MeshLab, RapidForm, ParaView
- Computer Network: Windows Server 2000/2003

PERSONAL

- Spoken languages: Arabic (native language), French (fluent), English (fluent).
- Driving license.
- Date of birth: December, 22nd 1984.

REFERENCES

- **Pr. Mohamed Daoudi**

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- **Pr. Florent Dupont**

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- **Dr. Guillaume Lavoué**

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- **Dr. Jean-Philippe Vandeborre**

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