

## **AIM@SHAPE**

Advanced and Innovative Models And Tools for the  
development of Semantic-based systems for  
Handling, Acquiring, and Processing knowledge  
Embedded in multidimensional digital objects

**IST NoE No 506766**

a project financed by the



**Sixth Framework Programme**

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### **Deliverable D 4.4.1 (second JPA D 8.4.1)**

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## **Annual school event**

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<b>Circulation:</b>	<b>PU<sup>1</sup></b>
<b>Partner(s):</b>	<b>SINTEF</b>
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<b>Doc. Ref. N°:</b>	
<b>Version:</b>	01
<b>Stage:</b>	1 (100% Draft)
<b>Date:</b>	<b>August 14, 2006</b>

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<b>DISI</b>	Università di Genova – Dipartimento di Informatica e Scienze dell'Informazione, Italy
<b>EPFL</b>	École Polytechnique Federale de Lausanne, Switzerland
<b>FhG/IGD</b>	Fraunhofer Institut für Graphische Datenverarbeitung, Germany
<b>INPG</b>	Institut National Polytechnique de Grenoble, France
<b>INRIA</b>	Institut National de Recherche en Informatique et Automatique, France
<b>ITI-CERTH</b>	Informatics and Telematics Institut – Center for Research and Technology Hellas, Greece
<b>UNIGE</b>	Université de Genève, Switzerland
<b>MPII</b>	Max-Planck-Institut für Informatik, Germany
<b>SINTEF</b>	Stiftelsen for industriell og teknisk forskning ved Norges Tekniske Høgskole, Norway
<b>TECHNION</b>	Technion – Israel Institute of Technology, Israel
<b>UU</b>	Utrecht University, Netherlands
<b>WEIZMANN</b>	Weizmann Institute of Science, Israel

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## Document History

Vers.	Issue Date	Stage	Content and changes
1	August 14, 2005	1 (100%) Draft	Version to be submitted to the project officer

## Executive Summary

This report is a supporting document for Deliverable D 4.4.1 (second JPA D 8.4.1) of the IST NoE AIM@SHAPE. The actual deliverable **D 4.4.1 – Annual school event** – is a public researcher school organized by the network consortium to provide training on important developments related to the network's theme. As both a training activity and an openness activity, the school is intended for PhD students and Post Docs both from consortium partners and from institutions outside the network. Consequently the lecturers are not only invited from within the network, but also from outside to provide additional views on current developments.

The consortium has so far (i.e. for the first three years of the project) met its goal to hold such a school at least once every year and thus managed to establish these events as regular network measures both to train researchers and to increase the visibility of the network.

In June 2004 the school was held in Genova, Italy, organized by partner IMATI, and basic information on it is provided in the supporting document to Deliverable 8.4.1 (Summer/winter School), which was delivered on-time in PM 18 as part of the Work Package 8 (Openness).

Since the second JPA, the school activity has its own Task 4.4 within the Work Package 4 (Mobility and Training). The Task Leader SINTEF (in the person of Ewald Quak) has compiled this current report. As a continuation of the report for D 8.4.1, this document should now describe the school events in the period July 2005 – June 2006, but it will actually also cover the summer school of 2006, which was held in July 2006. Thus it is avoided to report in 2007 on an event that was organized almost a year ago. The next (and final) document in this series will thus cover the final school event of the project in 2007.

This report thus covers the events

- o July 8–12, 2005, Darmstadt, Germany, organized by then-partner TUD  
<http://www.interactiveshapemodeling.net/>
- o September 5-9, 2005, Sophia-Antipolis, France, organized by INRIA  
[www-sop.inria.fr/galaad/conf/05Ecole/](http://www-sop.inria.fr/galaad/conf/05Ecole/)
- o July 19-25 2006, Tallinn, Estonia, organized by SINTEF  
<http://www.aimatshape.net/event/tallinn06-ss>

Note also that the schools in Sophia-Antipolis and Tallinn also included the annual network PhD student workshop, where young researchers presented their own work related to the network topics. While this workshop in 2005 was a separate deliverable (D4.1.2 Annual workshop of PhD students, delivered in September 2005), for 2006 (in this report) and 2007 (in the next report), this workshop is just included in the general school deliverable.

In this supporting report only basic information is provided, more information is available from the web sites of the events listed above.

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# 1 THE DARMSTADT SCHOOL IN 2005

## 1.1 Some Basic Facts

The **International Summer School on *Interactive Shape Modeling*** was held in Darmstadt, Germany, July 8-12, 2005. It was organized by Marc Alexa from then-partner TUD and Marie-Paule Cani from INPG on the premises of the TU Darmstadt. The school had 53 participants, of which 32 were members of AIM@SHAPE and 21 external to the network (see Subsection 1.3 for a list of participants).

Further information is still available at the school's web site

<http://www.interactiveshapemodeling.net/>

The scope of the school was described in its announcements as follows:

*Computer Graphics continues to battle the challenging question: "How quickly and effectively can a designer transform a mental concept into a digital shape, which is easy to refine and reuse?" Traditional techniques of sculpting and sketching continue to be among the quickest and most expressive ways for designers to visually manifest their ideas. This school traces the evolution of interactive shape design from traditional media to the state of the art in digital modeling techniques, both in commercial software and academic research. The school will cover the gamut of hardware devices and interaction paradigms used in digital modeling and their underlying mathematical representations of shape. The audience will be presented with the properties of various implicit, explicit and hybrid shape representations and the capabilities, limitations and implementation details of current algorithms for interactive shape creation and manipulation. The goal of this school is to impart the audience with both an understanding of the big open questions as well as the skills to engineer recent research in interactive shape modeling applications.*

*This school assumes a Computer Graphics background, and in particular some familiarity with the standard techniques for modeling, such as popular shape representations, affine transformations, and basic algebra. The target audience includes all developers, designers and researchers who would like to get updated on the recent development in the area of interactive shape modeling and shape editing techniques.*

## 1.2 Training Components

- *Shape representations – an overview*  
Denis Zorin  
Department of Computer Science  
New York University  
New York, USA
- *From conceptual to industrial design: industrial motivations and approaches; case study in automotive design*  
Karan Singh  
Department of Computer Science  
University of Toronto, Canada

- *Feature-based modelling for industrial design*  
Jean-Claude Léon  
Institut National Polytechnique de Grenoble (INPG)  
INPG Grenoble, France (partner AIM@SHAPE)
- *Shape warps, FFDs, wires and surface-oriented deformations*  
Karan Singh  
Department of Computer Science  
University of Toronto, Canada
- *Demonstration of skeleton-driven mesh deformation*  
Shin Yoshizawa  
Department of Computer Graphics  
Max Planck Institut Informatik  
MPII, Germany (partner AIM@SHAPE)
- *Sculpting with implicit functions: towards physically-based virtual clay*  
Marie-Paule Cani  
Department of Computer Science  
Institut National Polytechnique de Grenoble  
INPG Grenoble, France (partner AIM@SHAPE)
- *Sculpting with discrete signed distance fields*  
J. Andreas Baerentzen  
Informatics and Mathematical Modelling  
Technical University of Denmark, Lyngby, Denmark
- *Adaptive distance fields. The Kisamu sculpting system*  
Sarah Frisken  
Department of Computer Science  
Tufts University  
Massachusetts, USA
- *Multiresolution editing with subdivision surfaces and volumes*  
Denis Zorin  
Department of Computer Science  
New York University  
New York, USA
- *Hierarchical modelling with parametric surfaces*  
Stefanie Hahmann  
Institut d'Informatique et Mathématiques Appliquées de Grenoble (IMAG)  
INPG Grenoble, France (partner AIM@SHAPE)
- *Sketching interfaces for 3D modelling*  
Takeo Igarashi  
Department of Computer Science  
Graduate School of Information Science and Technology  
University of Tokyo, Japan

- *Sketching for industrial design*  
Karan Singh  
Department of Computer Science  
University of Toronto, Canada  
and  
Jean-Claude Léon  
Institut National Polytechnique de Grenoble (INPG)  
INPG Grenoble, France (partner AIM@SHAPE)
- *Implicit representations from sketches. Application to garment design.*  
Marie-Paule Cani  
Department of Computer Science  
Institut National Polytechnique de Grenoble  
INPG Grenoble, France (partner AIM@SHAPE)
- *Laplace and Poisson mesh editing*  
Marc Alexa  
Department of Computer Science  
Darmstadt University of Technology  
TUD, Germany (then-partner AIM@SHAPE)
- *As-Rigid-As-Possible Shape Manipulation*  
Takeo Igarashi  
Department of Computer Science  
Graduate School of Information Science and Technology  
University of Tokyo, Japan
- *Demonstration of harmonic guidance for surface deformation*  
Rhaleb Zayer  
Department of Computer Graphics  
Max Planck Institut Informatik  
MPII, Germany (partner AIM@SHAPE)
- *Sweepers & swirling sweepers*  
Alexis Angelidis  
Department of Computer Science  
University of Otago, New Zealand
- *Direct 3D manipulation for 3D shape construction*  
Steven Schkolne  
Computer Science Department  
California Institute of Technology  
Pasadena, California, USA

For the final program, see <http://www.interactiveshapemodeling.net/program.htm>

### 1.3 List of Participants

Adamson	Anders	TUD, Germany, AIM
Alexa	Marc	TUD, Germany, AIM
Angelidis	Alexis	U Otago, New Zealand
Baerentzen	Andreas	Technical U, Lyngby, Denmark
Bertetti	Massimiliano	U Milan, Italy
Biasotti	Silvia	IMATI, Italy, AIM
Boltcheva	Dobrina	U Strasbourg, France
Briseid	Sverre	SINTEF, Norway, AIM
Cani	Marie-Paule	INPG, France, AIM
Cheutet	Vincent	INPG, France, AIM
Conti	Giuseppe	IGD-GraphiTech, Italy, AIM
Danovaro	Emanuele	DISI U Genova, Italy, AIM
De Amicis	Raffaele	IGD-GraphiTech, Italy, AIM
Desbenoit	Brett	LIRIS, France
Fischle	Andreas	TUD, Germany, AIM
Foroughi	Roya	TUD, Germany, AIM
Frissen	Sarah	Tufts U, USA
Girardi	Gabrio	IGD-GraphiTech, Italy, AIM
Giraud	Umberto	U Milan, Italy
Hahmann	Stefanie	INPG, France, AIM
Hnaidi	Houssam	U Lyon, France
Igarashi	Takeo	U Tokyo, Japan
Ivrissimtzis	Ioannis	MPII, Germany, AIM
Karni	Zachi	MPII, Germany, AIM
Langer	Torsten	MPII, Germany, AIM
Marchal	Damien	U Lille, France
Müller	Wolfgang	U Köthen, Germany
Nealen	Andrew	TUD, Germany, AIM
Nikolski	Masha	TECHNION, Israel, AIM
Pastor	Luis	U Madrid, Spain
Piffer	Stefano	IGD-GraphiTech, Italy, AIM
Piscozzi	Massimiliano	U Milan, Italy
Pulli	Kari	Nokia / MIT, USA
Reuter	Patrick	U Bordeaux, France
Rieger	Thomas	TUD, Germany, AIM
Saleem	Waqar	MPII, Germany, AIM
Schall	Oliver	MPII, Germany, AIM
Scharf	Andrei	U Tel Aviv, Israel
Schkolne	Steven	CalTech, USA
Schnabel	Ruwen	U Bonn, Germany
Shi	Kuangyu	MPII, Germany, AIM
Singh	Karan	U Toronto, Canada
Sorkine	Olga	U Tel Aviv, Israel
Stoll	Carsten	MPII, Germany, AIM
Taponecco	Francesca	TUD, Germany, AIM
ter Haar	Frank	U Utrecht, Netherlands, AIM
Ucelli	Giuliana	IGD-GraphiTech, Italy, AIM
Vitali	Maria	DISI U Genova, AIM

Von Funck	Wolfram	MPII, Germany, AIM
Yamauchi	Hitoshi	MPII, Germany, AIM
Yoshizawa	Shin	MPII, Germany, AIM
Zayer	Rhaleb	MPII, Germany, AIM
Zorin	Denis	New York U, USA

## 2 THE SOPHIA-ANTIPOLIS SCHOOL IN 2005

### 2.1 Some Basic Facts

The **International Summer School on *Open Software for Algebraic and Geometric Computation and Network PhD Student Workshop*** were held in Sophia-Antipolis, France, September 5-9, 2005. The event was organized by partner INRIA under the leadership of Bernard Mourrain. The event had 30 participants, of which 16 were members of AIM@SHAPE and 14 external to the network (see Subsection 1.3 for a list of participants).

Most pertinent information is still available at the school's web site [www-sop.inria.fr/galaad/conf/05Ecole/](http://www-sop.inria.fr/galaad/conf/05Ecole/)

The scope of the event was described in its announcements as follows:

*Our daily research activity involves more and more frequently the use of specialized tools. This leads some members of our community to develop dedicated and efficient software tools, which are often open to other researchers, but which access and use might seem difficult. The objective of this event is to give the opportunity to present such high-performance tools, through tutorials and initiation sessions. This event is particularly devoted to Ph.D. students and researchers, interested in using or developing open software in Algebra and Geometry. A non-exhaustive list of interests to be addressed during this event:*

- *Shape processing*
- *Topology computation*
- *Meshing*
- *Parameterized and implicit curves and surfaces computation*
- *Symbolic and numeric computation*
- *Polynomial computation*
- *Linear algebra*
- *Differential problems in geometry and algebra.*

### 2.2 Training Components

- *The software package SYNAPS*  
B. Mourrain  
Institut National de Recherche en Informatique et Automatique  
INRIA Sophia-Antipolis, France (partner AIM@SHAPE)
- *The software package GBRs*  
J. C. Faugere  
Université Pierre et Marie Curie, Paris, France
- *Ridges and umbilics of polynomial parametric surfaces*  
M. Pouget (young researcher)  
INRIA Sophia-Antipolis, France (partner AIM@SHAPE)

- *The software package LINBOX*  
J. G. Dumas  
Institut National de Recherche en Informatique et Automatique  
INRIA Sophia-Antipolis, France (partner AIM@SHAPE)
- *The software package Mathemagix*  
O. Ruatta (young researcher)  
Institut National de Recherche en Informatique et Automatique  
INRIA Sophia-Antipolis, France (partner AIM@SHAPE)  
and  
J. Van der Hoeven  
Université Pierre et Marie Curie, Paris, France
- *Multiresolution mesh-based modelling of discrete scalar fields*  
E. Danovaro (young researcher)  
Universita di Genova - Dipartimento di Informatica e Scienze dell'Informazione  
DISI Genova, Italy (partner AIM@SHAPE)
- *The software package BLAD*  
F. Boulrier (young researcher)  
Université de Lille, France
- *The software package SISL*  
O. Andersen (young researcher)  
Applied Mathematics  
SINTEF ICT, Norway (partner AIM@SHAPE)
- *Curvature computations for implicit submanifolds*  
T. Langer (young researcher)  
Max-Planck-Institut für Informatik  
MPII Saarbrücken, Germany (partner AIM@SHAPE)
- *The software package Javaview*  
K. Hildebrandt and E. Preuss  
Zuse Institut, Berlin, Germany
- *The software package Remesh*  
M. Attene (young researcher)  
C.N.R. - Istituto di Matematica Applicata e Tecnologie Informatiche  
IMATI Genova, Italy (coordinating partner AIM@SHAPE)
- *Global and local parameterization of arbitrary triangle meshes*  
G. Patanè (young researcher)  
C.N.R. - Istituto di Matematica Applicata e Tecnologie Informatiche  
IMATI Genova, Italy (coordinating partner AIM@SHAPE)

- *The software package CGAL*  
M. Yvinec  
Institut National de Recherche en Informatique et Automatique  
INRIA Sophia-Antipolis, France (partner AIM@SHAPE)
- *The software package IRIT*  
G. Elber  
TECHNION, Haifa, Israel (partner AIM@SHAPE)

For the final program, see <http://www-sop.inria.fr/galaad/conf/05Ecole/programme.html>

## 2.3 List of Participants

Last Name	First Name	Institution
Andersen	Odd	SINTEF ICT, Norway, AIM
Attene	Marco	IMATI, Italy, AIM
Boulier	Francois	U de Lille, France
Chau	Stephane	U de Nice, France
Choquet	Rémi	CEFE/CNRS Montpellier, France
Danovaro	Emanuele	DISI U Genova, Italy, AIM
Dumas	Jean-Guillaume	U Joseph Fourier, Grenoble, France
Durvy	Clémence	U de Versailles, France
Elber	Gershon	TECHNION, Haifa, Israel, AIM
Faugere	Jean-Charles	U Pierre et Marie Curie, Paris, France
Fritzzilas	Epaminondas	U Athens, Greece
Hanniel	Iddo	TECHNION, Haifa, Israel, AIM
Hildebrandt	Klaus	Zuse Institut, Berlin, Germany
Hubert	Evelyne	INRIA, France, AIM
Jaume	Sylvain	INRIA, France, AIM
Kewei	Liang	U Paul Sabatier, Toulouse, France
Krueger	Kai	ITWM Kaiserslautern, Germany
Mourrain	Bernard	INRIA, France, AIM
Patanè	Giuseppe	IMATI, Italy, AIM
Pons	Jean-Philippe	INRIA, France, AIM
Pouget	Marc	INRIA, France, AIM
Preuss	Eike	Zuse Institut, Berlin, Germany BERLIN
Ruatta	Olivier	U de Limoges, France
Torsten	Langer	MPII, Germany, AIM
Tzoumas	George	National U of Athens, Greece
Urbanska	Anna	LMC Grenoble, France
Van der Hoeven	Joris	U Paris Sud, France
Vitali	Maria	DISI U Genova, Italy, AIM
Volery	Jean-Luc	U Paul Sabatier, Toulouse, France
Yvinec	Mariette	INRIA, France, AIM

### 3 THE TALLINN SCHOOL IN 2006

#### 3.1 Some Basic Facts

The **International Summer School on *Applications of 3D Shapes: Ontologies, Software Tools and Industrial Case Studies*** was held in Tallinn, Estonia, July 19-25, 2006. It was organized by Ewald Quak from partner SINTEF on the premises of Tallinn University of Technology ([www.ttu.ee](http://www.ttu.ee)). Since Ewald Quak is currently on a senior fellowship of a Marie Curie Transfer of Knowledge project in Tallinn, this provided a very good opportunity to host a network openness event in a new member country of the European Union. The school had 50 participants, of which 27 were members of AIM@SHAPE and 23 external to the network (see Subsection 1.3 for a list of participants).

Further information is still available at the school's web site

<http://www.aimatshape.net/event/tallinn06-ss>

The event was co-sponsored by and all support is gratefully acknowledged from

- the FP6 Marie Curie Transfer of Knowledge Project CENS-CMA (Cooperation of Estonian and Norwegian Scientific Centers within Mathematics for Applications),
- the Center for Nonlinear Studies (CENS) at the Institute of Cybernetics of Tallinn University of Technology, Estonia,
- the Center for Mathematics for Applications (CMA) at the University of Oslo, Norway,
- the Special Interest Group on Geometric Modeling, CAD, Evolving Interfaces and Surfaces of the European Consortium for Mathematics in Industry (ECMI).

The scope of the school was described in its announcements as follows:

*Since its start in January 2004, the EU FP6 Network of Excellence AIM@SHAPE <http://www.aimatshape.net>, has – beyond the pursuit of joint research in shape modeling – emphasized the use of knowledge management concepts like ontologies in shape modeling, and also started to establish a considerable eScience infrastructure such as repositories for shapes and shape modeling tools. The relevance of shapes for industrial applications has been in focus as well.*

*The purpose of this school is to give PhD students and Post Docs an opportunity*

- *to get acquainted with the ongoing network activities*
- *to find out how they can participate in them*
- *to get hands-on training how they can use the network infrastructure like shape and tool repositories*
- *to receive an introduction into ontologies and their use*
- *to listen to and discuss with some leading experts in the field*
- *to learn about important applications of shapes*

*The program will consist of invited lecturers, hands-on training sessions and discussions, including a one-day workshop for PhD students (and early Post Docs) to contribute their own results. It is expected that each participant brings his/her own laptop to work with in the practical training sessions. While the school is mainly intended for researchers in shape modeling and requires no prior experience in knowledge technology, it should be interesting for KT researchers as well to learn more about a specific application domain.*

### 3.2 Training Components

- *Introduction to the AIM@SHAPE and CENS-CMA projects*  
Ewald Quak (Technical Manager AIM@SHAPE)  
Center for Nonlinear Studies, Tallinn University of Technology  
CENS-CMA project, Tallinn, Estonia
- *Training session on the Semantic Web and general ontologies*  
Marios Pitikakis  
Informatics and Telematics Institute - Center for Research and Technology Hellas  
ITI Volos, Greece (partner AIM@SHAPE)
- *Training session on the AIM@SHAPE search engine*  
George Vasilakis  
Informatics and Telematics Institute - Center for Research and Technology Hellas  
ITI Volos, Greece (partner AIM@SHAPE)
- *Training session on the Shape Acquisition and Processing Ontology*  
Laura Papaleo  
Universita di Genova - Dipartimento di Informatica e Scienze dell'Informazione  
DISI Genova, Italy (partner AIM@SHAPE)
- *Training session on the Product Design Ontology and the semantic description of web services*  
Neyir Sevilmis  
Fraunhofer-Institut für Graphische Datenverarbeitung  
IGD Darmstadt, Germany (partner AIM@SHAPE)
- *Invited lecture: Research for the clothing industry*  
Nadia Magnenat-Thalmann  
MIRALAB, Université de Genève  
UNIGE Geneva, Switzerland (partner AIM@SHAPE)
- *Invited lecture: Virtual Humans and their interactions*  
Daniel Thalmann  
VRLab , École Polytechnique Fédérale de Lausanne  
EPFL Lausanne, Switzerland (partner AIM@SHAPE)
- *Invited lecture: Toward semantic modelling applied to car aesthetics (part 1)*  
Chiara Catalano  
C.N.R. - Istituto di Matematica Applicata e Tecnologie Informatiche  
IMATI Genova, Italy (coordinating partner AIM@SHAPE)
- *Invited lecture: Toward semantic modelling applied to car aesthetics (part 2)*  
Jean-Claude Léon  
Institut National Polytechnique de Grenoble  
INPG Grenoble, France (partner AIM@SHAPE)

- *Training session on the Virtual Human Ontology*  
Frédéric Vexo  
VRlab , École Polytechnique Fédérale de Lausanne  
EPFL Lausanne, Switzerland (partner AIM@SHAPE)  
and  
Laurent Mocozet  
MIRALAB, Université de Genève  
UNIGE Geneva, Switzerland (partner AIM@SHAPE)
- *Training session on semantics for metadata description*  
Giuliana Ucelli  
Center for Advanced Computer Graphics Technologies  
GraphiTech, Trento, Italy (associated to partner IGD for AIM@SHAPE)
- *Training session on semantics for interaction*  
Giuseppe Conti  
Center for Advanced Computer Graphics Technologies  
GraphiTech, Trento, Italy (associated to partner IGD for AIM@SHAPE)
- *Invited lecture: MESH - A Mathematical Video on Polyhedral Meshes and Their Role in Geometry, Numerics and Computer Graphics*  
Konrad Polthier  
Mathematical Geometry Processing Group  
Freie Universität Berlin, Germany
- *Invited lecture: Surface tiling with discrete differential forms*  
Pierre Alliez  
Institut National de Recherche en Informatique et Automatique  
INRIA Sophia-Antipolis, France (partner AIM@SHAPE)
- *Training session on the use of the Shape Repository*  
Waqar Saleem  
Max-Planck-Institut für Informatik  
MPII Saarbrücken, Germany (partner AIM@SHAPE)
- *Training session on the use of the Tools Repository*  
Laurent Saboret  
Institut National de Recherche en Informatique et Automatique  
INRIA Sophia-Antipolis, France (partner AIM@SHAPE)
- *Training session on CGAL: Computational Geometry Algorithms Library*  
Pierre Alliez  
Institut National de Recherche en Informatique et Automatique  
INRIA Sophia-Antipolis, France (partner AIM@SHAPE)
- *Invited lecture: The needs for geometric modelling in the research of water waves*
- *Invited lecture: Media coverage of water wave research in Estonia and beyond*  
Tarmo Soomere  
Center for Nonlinear Studies, Tallinn University of Technology  
CENS-CMA project, Tallinn, Estonia

- *Training session on the work of AlphaGalileo and on how to write press releases*  
Iban Yarza  
AlphaGalileo Foundation, London, UK
- *Invited lecture: Modeling non-manifold shapes*  
Leila DeFloriani  
Universita di Genova - Dipartimento di Informatica e Scienze dell'Informazione  
DISI Genova, Italy (partner AIM@SHAPE)
- *Invited lecture: Subdivision surfaces: what is their future and why?*  
Malcolm Sabin  
Numerical Geometry Ltd, Cambridge, UK
- *Invited lecture: Contributions to the geometry processing pipeline*  
Leif Kobbelt  
Computer Graphics and Multimedia  
RWTH Aachen, Germany
- *Invited lecture: The prospects of FP 7 for IST*  
Albert Gauthier  
DG Information Society  
Unit E2 Knowledge and Content Technologies (Project Officer AIM@SHAPE)
- *Young researcher lecture: Multiscale approaches to image segmentation*  
Sharon Alpert  
Faculty of Mathematics and Computer Science  
The Weizmann Institute of Science, Rehovot, Israel (partner AIM@SHAPE)
- *Young researcher lecture: Blending of natural quadrics with canal surfaces*  
Margarita Kazakeviciute  
Department of Computer Science II  
Vilnius University, Lithuania
- *Young researcher lecture: Geometric constructions for generalized barycentric coordinates*  
Torsten Langer  
Max-Planck-Institut für Informatik  
MPII Saarbrücken, Germany (partner AIM@SHAPE)
- *Young researcher lecture: 3D shape retrieval methods based on spherical harmonics*  
Panagiotis Papadakis  
Institute of Informatics and Telecommunications  
Athens, Greece
- *Young researcher lecture: Image-Language association: are we looking at the right features?*  
Katerina Pastra  
Institute for Language and Speech Processing  
Athens, Greece

- *Young researcher lecture: Ontology Based Shape Annotation and Retrieval*  
Olga Symonova  
Center for Advanced Computer Graphics Technologies  
GraphiTech, Trento, Italy (associated to partner IGD for AIM@SHAPE)

For the final program, see <http://www.aimatshape.net/event/tallinn06-ss/program>

### 3.3 List of Participants

Last Name	First Name	Institution
Alliez	Pierre	INRIA, France, AIM
Alpert	Sharon	Weizmann Institute, Israel, AIM
Amagliani	Marco	think3, Italy
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Bommes	David	RWTH Aachen, Germany
Catalano	Chiara	IMATI, Italy, AIM
Conti	Giuseppe	IGD-GraphiTech, Italy, AIM
De Floriani	Leila	DISI, Italy, AIM
Didenkulova	Irina	Tallinn U of Technology, Estonia
Dokken	Tor	SINTEF, Norway, AIM
Ferrandes	Rosalinda	INPG, France, AIM
Gauthier	Albert	European Commission, Luxemburg
Hartmann	Rene	TU Darmstadt, Germany
Habbecke	Martin	RWTH Aachen, Germany
Hammann	Samir	MPII, Germany, AIM
Hornung	Alexander	RWTH Aachen, Germany
Kälberer	Felix	FU Berlin, Germany
Kazakeviciute	Margarita	Vilnius U, Lithuania
Kobbelt	Leif	RWTH Aachen, Germany
Langer	Torsten	MPII, Germany, AIM
Léon	Jean-Claude	INPG, France, AIM
Magnenat-Thalmann	Nadia	UNIGE, Switzerland, AIM
Moccozet	Laurent	UNIGE, Switzerland, AIM
Papadakis	Panagiotis	IIP, Greece
Papaleo	Laura	DISI, Italy, AIM
Pastra	Katerina	ILSP, Greece
Pavic	Darko	RWTH Aachen, Germany
Peters	Martin	Springer Verlag, Germany
Pitidakis	Marios	ITI, Greece, AIM
Polthier	Konrad	FU Berlin, Germany
Quak	Ewald	CENS, Estonia & SINTEF, Norway, AIM
Robbiano	Francesco	IMATI, Italy, AIM
Sabin	Malcolm	Numerical Geometry, UK
Saboret	Laurent	INRIA, France, AIM
Saleem	Waqar	MPII, Germany, AIM
Sevilimis	Neyir	IGD, Germany, AIM
Sibbing	Dominik	RWTH Aachen, Germany
Soomere	Tarmo	CENS, Estonia
Sprynski	Nathalie	CEA, France
Symonova	Olga	IGD-GraphiTech, Italy, AIM
Thalmann	Daniel	EPFL, Switzerland, AIM
Ucelli	Giuliana	IGD-GraphiTech, Italy, AIM

Vasilakis	George	ITI, Greece, AIM
Vexo	Frédéric	EPFL, Switzerland, AIM
Wang	Huaxin	TU Delft, Netherlands
Winkler	Tim	TU Clausthal, Germany
Wintz	Julien	INRIA, France, AIM
Yarza	Iban	AlphaGalileo, UK