

FOCUS K3D promotes the adoption of best practices for the use of semantics in 3D content modelling and processing.

Its main goals are:

- To build multi-disciplinary communities of researchers, professional users or producers of 3D content;
- To carry out rigorous analyses in order to identify issues that currently inhibit a wider user participation in the production, reuse and sharing of 3D content;
- To promote and evaluate the results achieved by recent and ongoing projects in the field of 3D media semantics representation and processing;
- To identify promising future developments for a broader use of semantics and knowledge technologies related to 3D shapes.



FP7-ICT-2007-214993

## Who is FOCUS K3D for

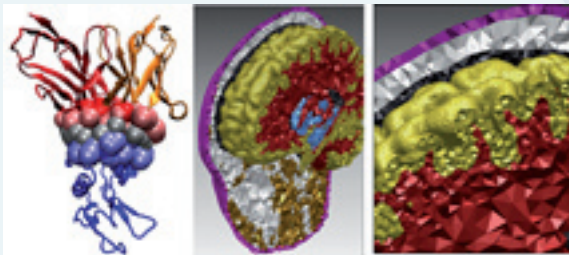
FOCUS K3D addresses the needs of the different categories of both 3D content providers and users encouraging active participation by key market actors:

- Professional developers of tools for 3D content creation and management (CAD systems, acquisition and reconstruction systems, reverse engineering, computer graphics programs, ...)
- Creators of digital 3D content (stylists, engineers, game designers, radiologists, archaeologists, bioinformaticians, ...)
- Publishers/dealers of 3D repositories on line, organisations collecting and distributing 3D models
- Scientists in Computer Graphics and Vision or in disciplines intensively using 3D modelling and simulation (mechanical engineering, environmental modelling, drug design, ...)

## Application Working Groups

The project focuses on four application scenarios that are characterized by a massive use of 3D digital resources not only related to visual aspects but involving also the representation of domain knowledge. For each of these application scenarios, specific dissemination and take-up actions are planned to demonstrate how semantic 3D content can answer a number of open problems in the content production and processing chain in those domains.

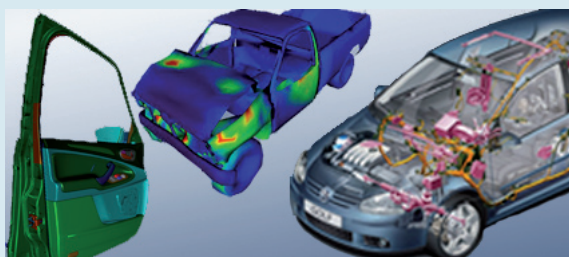
### Medicine & Bioinformatics



### Gaming & Simulation



### CAD/CAE & Virtual Product Modelling



### Archaeology & Cultural Heritage



## Why to join

By getting involved in the project activities you will:

- Be informed about related events, projects and initiatives;
- Get access to state-of-the-art reports, tutorials, project documentation and newsletters;
- Get access to resources and services for 3D content modelling and processing;
- Benefit of ad hoc training sessions and demos on advanced tools and knowledge technologies for 3D content creation and manipulation;
- Get an insight view on open problems and current issues on knowledge intensive 3D media;
- Have the opportunity to establish research and business partnerships and keep up to date about what is happening in various ICT research fields;
- Influence new technological developments and future research directions.

## How to join

If you wish to be informed about the project, get the documentation and access the resources, please register to the web site and subscribe to the newsletter at [www.focusk3d.eu](http://www.focusk3d.eu)

To be actively involved in the activities of the Application Working Groups, please contact the Project Coordinator or the Application Working Group leaders:

### Medicine & Bioinformatics

[Frederic.Cazals@sophia.inria.fr](mailto:Frederic.Cazals@sophia.inria.fr)

### CAD/CAE & Virtual Product Modelling

[Andre.Stork@igd.fhg.de](mailto:Andre.Stork@igd.fhg.de)

### Gaming & Simulation

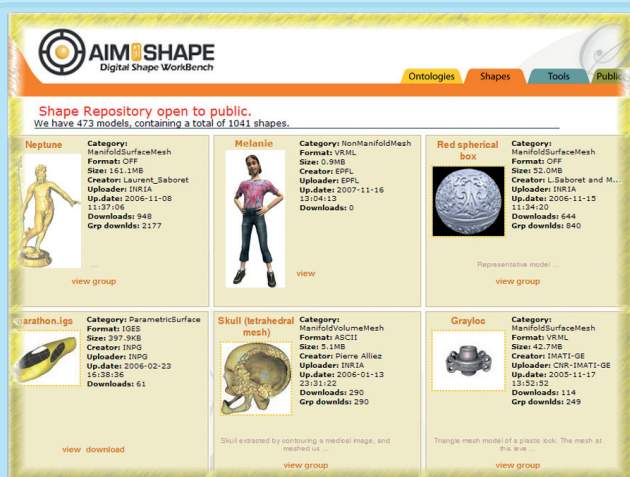
[Wolfgang.Huerst@cs.uu.nl](mailto:Wolfgang.Huerst@cs.uu.nl)

### Archeology & Cultural Heritage

[Marios.Pitikakis@cereteth.gr](mailto:Marios.Pitikakis@cereteth.gr)

Active participation will give you the opportunity to attend project meetings and workshops, to participate in training sessions and learn how to use advanced knowledge-based research infrastructures (see box below), to share with the project your needs and problems related to 3D content and to give examples of the 3D content typically used in your activities.

### The Shape Repository of AIM@SHAPE



<http://www.aimatshape.net/resources>

Through the FOCUS K3D web portal, links to existing resources and services for 3D content modelling and processing will be made available, such as the Digital Shape Workbench provided by the AIM@SHAPE Consortium.

The Digital Shape Workbench consists of the Shape and Tool Repositories that can be browsed via an ontology-based search framework.

## Project Coordinator

### Dr. Bianca Falcidieno

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## Project Partners

