

Special Interest Groups (SIGs)



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- Success stories for a number of former WGs of INTUITION:
 - Most of the Scientific, Technological, and Application fields of V&AR were covered
 - Producing and gathering of an impressive Knowledge on V&AR:
 - User need analysis in a large number of applications
 - States of the Art on the worldwide situation of V&AR
 - Roadmaps for the achievement of European challenges in V&AR
 - A large part of this knowledge being used as content for the KB
 - Contribution to the activation of the European V&AR community:
 - Proposition & achievement of new collaborations (including mobility)
 - Stimulated the preparation of some new EC projects
 - Increased the number of participants to a number of European V&AR events

Why creating SIGs? (1/2)

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- Necessity for EuroVR to develop a complete policy to activate interactions between members
 - SIGs is one of the most promising implementation of this policy
- SIGs may be one of the major attractor of new members:
 - The place for sharing our experiences and to produce knowledge (in spite of the continuous competition between European people)
 - The place to develop synergies, which will make possible to increase, for Europe and in the V&AR field :
 - Research excellence
 - Technological success stories
 - Competitiveness of industries using them

Why creating SIGs? (2/2)

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- For a certain continuation of the former WGs activities:
 - **To increase the Scientific & Technological excellence** within V&AR domain
 - **To update the analysis of user needs** in V&AR applications
 - **To multiply the opportunities** (business, new EC projects...)
- With an evolution of WGs based on INTUITION lessons:
 - **To increase synergies** between former WGs
 - **To cover better some V&AR fields**
 - **To have critical mass** for almost all future SIGs
 - **To make SIGs involved in the sustainability of the KB:**
 - <http://kb.eurovr-association.org>
- Main constraint: **low-cost activities** (cf. no regular EC funding)
 - **SIGs activities must be efficient!**

Toward efficient SIG meetings (1/2)

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- Avoid parallel work sessions:
 - **Individual profitability:** participants may follow all sessions
 - **Efficiency of the work:** no ubiquity making possible a full preparation of the all sessions
- Cost optimization of the SIG meetings:
 - **Limiting the number participants and the duration**
 - **Preferring two small SIG meetings by year** rather a big one
 - easy to implement in the week of a major event: such as EGVE, VRIC...
 - **Possibly disconnected to some of these major events**
 - making possible small/middle V&AR teams to organize SIG meetings

Toward efficient SIG meetings (2/2)

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- Possible format of SIG sessions:
 - Management:
 - **Chair** (SIG leader or vice-leader) & **Co-chair** (not specially a SIG leader), which will have to prepare a **roadmap of the session's works**
 - **Co-chair** will have a task of **report officer**:
 - To take minutes of the SIG session
 - To prepare, with some key participants, the synthesis of the SIG session
 - To report this synthesis to the conclusive session
 - A **final report** of the meeting managed by the **chairs of all sessions**
 - Stimulating topics' works
 - **Keynote Speaker** and some **speakers** (abstracts or small papers)
→ Some issues: travel & accommodation costs, collect of papers!
 - **SoA presentations** from SIG members based on a call (small paper)
 - Stimulation of EC proposals:
 - Asking to some SIG members a **talk of the current European calls**
 - Organizing some **sub-meetings for launching EC proposals**
 - Discussions on the evolution of the SIG's topics and roadmap

Proposed procedure to define potential SIGs

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- Ask former WGs which ones would like to continue under EuroVR:
 1. In case “As they were”, they will have:
 - sketch the potential to retain/increase the number of participants
 - describe the activities will continue/expand
 - demonstrate how they match with the current needs/trends in V&AR
 2. In addition, in case “Merging with some others”, it is necessary:
 - prove the added value, besides simply gather the topics of former WGs:
 - sketch topics’ priorities, and their planed evolutions
- In both cases, their policy for opening themselves to EuroVR members which are not former INTUITION partners
- Ask all members of the EuroVR, if besides the SIGs deriving from former WGs, they would like to create new ones (different topics)

Draft of potential SIGs (1/3)

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- 4 possible “mono-topic SIGs”:
 - **Haptic** (former WG)
 - **Augmented Reality** (former WG)
 - **3D audio** (new)
 - **Robotics** (new)
- 3 possible “transversal SIGs” based on the merge of former WGs:
 - **Design, Engineering and Manufacturing**
deriving from the Cluster 2 category “Product-centred applications” based on the gathering of 4 former WGs: “Aerospace”, “Automotive & Transport”, “Construction & Energy”, and “Engineering & Design”
 - **Experience and Life sciences**
deriving from the Cluster 2 category of the same title, gathering of 3 former WGs: “Medicine & Neuroscience”, “Entertainment & Culture Heritages”, and “Education & Training”
 - **Technologies, User needs, Evaluation & Standardisation**
a transversal SIG gathering of 2 former WGs: “VR/VE technologies” and “Evaluation & Testing”, augmented by an “*observatory of the user needs*” (which aims a certain sustainability of some WP of former cluster 1), while “*standardisation*” seems to be a critical issue

First EuroVR-SIG meeting

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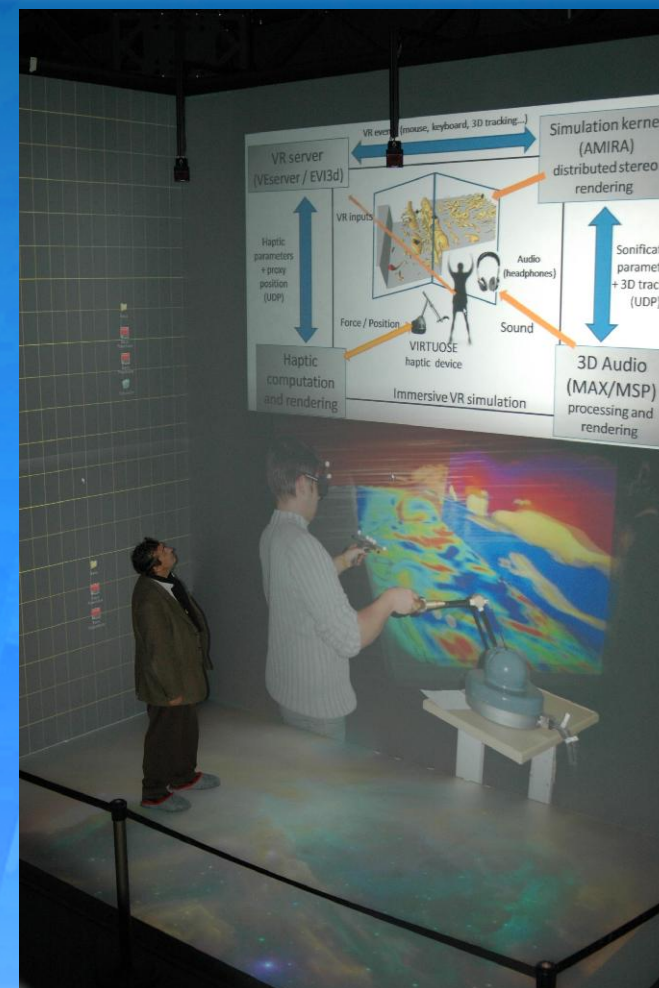
Joint European meeting EuroVR-EVE 2010

“First EuroVR-SIG meeting & EVE inauguration”

CNRS/LIMSI - University Paris-Sud

6th and 7th of May, 2010

- o Inaugural demos of the **EVE system**, a multi-sensorimotor & multi-user Evolutive Virtual Environment:
 - o Several 5m high large screens around a 13m² floor-glass (all retro-projected)
 - o Acoustic room, projectors in acoustic boxes
 - o Reconfigurable: HD and Double-stereoscopy
 - o 3D audio & Haptic facilities
- o 5 working sessions:
 - o Introductive and synthesis sessions
 - o 3 workshops of potential SIGs (merging WGs):
 - o **Experiences and Life sciences**
 - o **Technologies, User needs & Evaluation**
 - o **Design, Engineering & Manufacturing**



Special Interest Groups (SIGs)



**For any proposition, contribution, or question about SIGs,
please contact me:**

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Draft of potential SIGs (2/3)

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- Former **“Haptic”** WG may want to become a SIG:
 - Its number of members seems sufficient and may increase,
 - the former WG had an excellent activity,
 - it seems important to continue the European visibility in that field
 - members are involved in the IEEE technical chapter on Haptics: www.worldhaptics.org
 - Leaders: a number of possible candidates
- Former **“Augmented Reality”** WG could become a SIG, because:
 - Its number of members is not sufficient but can increase if the former WG is connected with the European community in that field
 - the former WG had an excellent activity when it finally started
 - this field of interest seems strategic for the future...
 - Leaders: some candidates
- **“3D audio”** topic **could be** a SIG, because:
 - there is a number of teams focusing on that topic in Europe and dedicated international conferences
 - the European teams have a leadership in the World
 - this field of interest seems strategic for the future...
 - Leaders: some candidates
- **“Robotics”** topic **could be** a SIG, because:
 - that is requested by some EuroVR members and may increase
 - new topic to be popularized, politically interesting to develop under EuroVR umbrella

Draft of potential SIGs (3/3)

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- **“Design, Engineering and Manufacturing”** topic:
 - a significant number of interested people, by gathering of 4 former WGs: **“Aerospace”**, **“Automotive & Transport”**, **“Construction & Energy”**, and **“Engineering & Design”**
 - this SIG may grow up by possible connexions with: VIRMAN and PLM communities
 - many enhancements remain necessary and new approaches are possible to apply better V&AR in industries
 - Leader: some candidates
- Former **“Experience and Life sciences”** Cluster 2 category:
 - a significant number of interested people, by gathering of 3 former WGs: **“Medicine & Neuroscience”**, **“Entertainment & Culture Heritages”**, and **“Education & Training”**
 - this SIG may grow up by connexions with external communities related to the former WGs
 - these fields of interest seem strategic for the future...
 - Leader: a number of possible candidates
- a transversal SIG **“Technologies, User needs, Evaluation & Standardisation”**:
 - gathering of 2 former WGs: **“VR/VE technologies”** and **“Evaluation & Testing”**, augmented by an **“observatory of the user needs”** (which aims a sustainability of activities of former cluster 1 in that field), and may include **“standardisation”** topic
 - strategic for the future because, analysis of user needs and evaluation methodologies are more and more required to design new V&AR solutions, while standardisation is an issue
 - Leader: to defined