



V-MUST DEVELOPMENT CAMP: CALL FOR MOBILITY (C4)

Fraunhofer IGD, Darmstadt (Germany)
Title: Augmented Reality and On line Virtual Museums

1. Name of the hosting institution	Fraunhofer IGD
2. Brief description of the unit hosting the internship	Department for Virtual and Augmented Reality The Fraunhofer IGD, created in 1992, which today has a total of 13 research and development departments at four locations: Darmstadt, Rostock, Graz (in the "Visual Computing" business unit of Fraunhofer Austria) and Singapore. We collaborate closely with the Technical University of Darmstadt, Rostock University, Technical University of Graz and the Nanyang Technological University (NTU) in Singapore. Our research focus is Visual Computing, i.e. image- and model-based information technology. It includes Computer Graphics, Computer Vision, as well as Virtual and Augmented Reality. We develop prototypes and complete solutions based on customer-specific requirements. Our research and development projects are directly applicable to current problems in the economy.
3. Max number of internships/year	2
4. Areas of host institution's expertise for internship proposals	<ul style="list-style-type: none">• Virtual Reality• Augmented Reality• X3DOM• WebGL• X3D• Rendering• Tracking• Interactive Computer Graphics.
5. Project description	The intern will be: <ul style="list-style-type: none">• Contributing to Mobile Augmented Reality demonstrators• Developing X3DOM services
6. Internship profile	<ul style="list-style-type: none">••
7. Preferred period	January - September (2014)
8. Min/max duration	12 – 20 weeks
9. Accommodation support	None, although general advice may be available upon request.
10. Facilities and Supervision	PC Workstations, development environments VisualStudio.net, several desktop publishing tools (Adobe products), access to own toolboxes and libs, script-writing and editing for VR applications. Training will be provided on several aspects of X3D, its scripting mechanism, and required internal CV libs. There will be no training on C++ or programming.
12. Contact Details of Supervisor. a. Name:	Holger Graf & N.N.

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