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[angrisani@apre.it](mailto:angrisani@apre.it)

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----- PARTNER SEARCH ICT-IT-SMCP-5 -----  
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<Reference n.: ICT-IT-SMCP-5>

<Deadline: 15/11/2007>

<Programme: >

<Project Title: Modular, interacting Actuator-Sensor Systems by Automation of Design and Implementation>

<Financial Scheme: >

<Description: The focus of this project is on miniaturising of the electrochemomechanical actuators, based on carbon-nanotube material (CNT) and integration into microsystems.

The modular and distributed structure of the system will be controlled by in field reconfiguration of the components and by a computer-aided design automation tool. The complexity of the system design will be got under control by a customized and application specific approach on a high abstraction level.

The new microsystems will require miniaturised sensors and energy converters for autarkic operation. The communication between the system components will be realized using wireless network technology.

<Organisation Type: Centro di Ricerca>

<Partner Sought: unspecified>