

Imprints



Newsletter of LTN's Security & Sensing Group

Issue 8, December 2010

Welcome to this special edition of Imprints, providing you more details on the latest technology profiles and new funding opportunities from across the UK and Europe. Produced in response to requests from our members for more targeted news and technology profiles, we hope you find these opportunities exciting and relevant. To express interest in these innovations, email me at g.loukas@LTNetwork.org.

- Dr. George Loukas, Security & Sensing Group Leader, LTN

The latest security & sensing European profiles

Please find below more details of the profiles emailed to you as a member of the Security & Sensing Technologies Group. If you're seeking new technologies, would like to market your own innovations to Europe, or would like to learn more about the profiles below, then email the profile name and number to George at g.loukas@LTNetwork.org. Or search online now at www.LTNetwork.org/services/tech-search.asp.

Title	Description	Country	Type
Development of biosecurity maps using bees as bioindicators (Ref: 10 ES 27F4 3JGK)	An Andalusian company has developed an innovative methodology to provide assesment of the biological effect of the primary environmental pollutants (pesticides, heavy metals, radioactive isotopes), and help in taking preventative measures where necessary. The company is looking for a technical cooperation.	Spain	Offer
Components or complete system for monitoring roofs and building envelopes (Ref: 10 AT 0109 31YJ)	An Austrian SME specialised in building and maintaining of roofs is looking for technologies and components to monitor temperature and humidity of warm roofs and building envelopes. Target is the permanent monitoring of warm roofs and building envelopes to detect negative influence of liquid or vapour water. The potential partner should provide special know-how, components or a complete system. Technical cooperation, adaption and/or further development of components or systems are possible.	Austria	Request
Embedded web server technology for remote monitoring and management (Ref: 10 HR 89GO 3JCC)	Croatian SME has developed embedded web server technology for remote monitoring and management via the Internet based on low-cost 8 & 32-bit microcontrollers. This technology enables measuring, storing and displaying recorded data in intuitive way using web as a platform with no need for installation of additional software. Beside ethernet this system has support for remote access through GPRS network. Company is interested in all forms of technical cooperation.	Croatia	Offer

Funding and partner opportunities

Funding - MoD/SBRI CDE call: Innovative Approaches to Detection of Biological Agents (speed of collection and processing of potential agents; reduce the logistic burden; cost; simultaneous detection across a range of potential targets; compatibility with multiple target strains and integration of component parts into a complete system). **Deadline 20 Dec. 2010.**

Request - Large defence company seeking a suitable technology to use as a 'threat / no threat' detector, similar to a radiation dosimeter, but for biological agents. It should be wearable by the end user. It would be put on at the start of a session of work, and then put into an 'instrument' or detection device at the end, after a few hours, which would alarm if harmful agents were detected. It does not have to identify the agents. It does not have to respond to all agents, but clearly would be good if it did. Something simple such as an enzyme substrate that responds to toxins with a colour change would be ideal.

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Title	Description	Country	Type
Stand Alone Transport and Shipment Security System (Ref: 10 ES 28F9 3JA1)	Spanish company has developed an innovative stand alone transport security system, as an autonomous solution for transport and custody shipment or transit goods. Based on hardware's structure, the shipments and transportation enterprises will have the control of their containers, through its own security system installed in the same item with presence detection, radio transmitter beacon and video surveillance. The company is looking for technical or joint-venture agreement.	Spain	Offer
Wireless and battery-powered sensors monitoring indoor environmental data (Ref: 10 BE 0213 3JOU)	A Brussels based SME, specialised in environmental consultancy applied to offices and large housing buildings from 5000 to 50.000 m ² , looks for low consumption wireless energy sensors to monitor the indoor temperature, pressure, water, etc. The offered sensors must be able to be placed quickly, non-invasively and delivered with linux drivers. Different types of collaborations sought.	Brussels	Request
Objective fingerprints recognition based on Optical Coherence Tomography technology (Ref:10 PL 63AU 3IT6)	A Polish SME from Lower Silesia has developed an innovative device which allows the objective fingerprint recognition based on Optical Coherence Tomography technology. The company seeks co-operation with companies and institutions involved in security and crime investigation. The partner should contribute to the development of new features and the commercialization of the product.	Poland	Offer
Drowsiness warning system / dead man function for crane and machine operators (Ref: 10 NL 60AH 3HW9)	A Dutch SME, active in the development and production of operator cabins and cabin components for cranes, specific vehicles and machines all over the world, is looking for technology to detect drowsiness or fatality of operators for safer operating. The company is looking for a system that can be integrated in their cabins or fitted to the operator and, if necessary, tuned to specific aspects of the operator's task. A commercial agreement with technical assistance is preferred.	The Netherlands	Request
Computer-based voice analysis for speaking person identification (Ref: 10 PL 63AU 3HED)	A Polish SME from Lower Silesia has developed a novel computer program which enables speaking person identification and verification based on voice analysis. The main advantage is increased accuracy based on the multi-dimensional voice parameters comparison. The company seeks co-operation with companies and institutions involved in voice analysis and security/crime investigation. The partner should contribute in the development of new features and commercialization of the program.	Poland	Offer
Integrating dust- and noise measuring technologies into automatic meteorological measuring apparatus (Ref: 10 HU 50R7 3J5S)	A Hungarian SME is looking for dust- and noise measuring technologies in order to integrate them into their automatic meteorological measuring devices. Measuring accuracy: max. 5 %, response time: max. 1 minute, measuring frequency: every 10 seconds. The technology can either be ready for demonstration or be an existing one in commercial circulation. Industrial and provider companies are sought.	Hungary	Request
Video technology of sewage pipes inspection for congestion identification (Ref: 10 PL 63AY 3I8Q)	A Polish company operating in the pipefitter sector is looking for technology of sewage pipes inspection for congestion identification. This technology should allow detecting congestion by using video solutions. Video camera should be able to get to hard to reach places and transmit video screen of detected obstruction. The technology should be fully developed. The company is looking for commercial cooperation with technical assistance.	Poland	Request

Funding & partner opps cont'd

Request - Large defence company is interested in comparing software which can model the thermal environment just after a period of rainfall (deadline: 15 Dec 2010). Open to both SMEs and universities.

Request - Large defence company is interested in replacing the current costly door damper technology (hydraulic piston) installed inside the missile canister/launching system (deadline: 14 Jan 2011). Open only to SMEs.

Request - Large defence company is interested in proposals that may offer new technologies or components suitable for use in missile initiators or detonator systems.

These proposals may then be taken up to form part of Anglo-French research aiming to introduce new solutions to revolutionise current safety and arming systems (deadline: 24 Jan 2011). Open only to SMEs.

Request - Large consumer products multi-national is interested in innovative proposals from SMEs on:

i) low cost feedback sensors that will provide diagnoses, personalisation and reaffirmation to products

ii) flexible, cheap and disposable electronics to drive communication and information on products and packages

iii) purposeful wireless connectivity and interactivity connecting people to products and networks

Proposed technologies should create a superior consumer experience that enhances trial, drives loyalty and increases usage (deadline: 28 Jan. 2011). Open only to SMEs.

For more details about these opportunities, email George at g.loukas@LTNetwork.org.

