

NCBR- TÜBİTAK
PROJECT PROPOSAL CALL

The Polish NCBR and its Turkish counterpart TÜBİTAK have recently announced a call for proposals^{***} for joint R&D projects.

As MILETS (Marmara Information, Electronics and Telecommunication Systems Ltd. Co.) R&D company we are seeking partners from Poland to propose together research projects on information security, health and smart home automations systems that we are fully experienced in using our knowledge and current products developed mainly using information and wireless & mobile communication technologies background.

1. ICT - Information and Communication Technologies:

Embedded systems

Information security (e.g., *data hiding and steganalysis methods and/or tools*)

Mobile communication

2. Energy:

Energy efficiency (e.g., *in smart building with multiple energy sources*)

3. Health and life sciences:

E-health (e.g., *wireless and mobile solutions for patient monitoring*)

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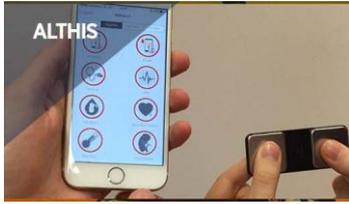
^{***} <http://www.ncbir.pl/en/programy-miedzynarodowe/bilateral-cooperation/turkey/second-call/art.4467,launch-of-the-2nd-poland-turkey-call-for-proposals.html>

MILETS Marmara Information, Electronics and Telecommunication Systems Ltd. Co. is an R&D company established in May 2006 by a group of professors at Kocaeli University and experts in the field of electronics, digital data communications and computer engineering. It has a principle to serve to all sectors and for this purpose it uses all own knowledge to develop technology. Its main activities are on ICTs, Electronics, and Telecommunication System Technologies.

Solutions of fundamental problems in wireless communications require effective modeling, advanced signal processing techniques, communication and information theory. The main mission of MILETS is to research projects based upon especially ICT and mobile & wireless technologies to develop products. MILETS' main activities are:

- Telemedicine and health applications
- Security & surveillance systems and smart automation systems
- R&D in next generation wireless systems (mobile sensor networks, heterogeneous networks etc.)
- Software development & applications and institutional software solutions

Our Products:



ALTHIS- Patient Monitoring and Tracking at HOME: The patients who do not need to be in hospital but patients health information need to be monitored (such as elderly people), are target of the Project. Health information (such as heart rate, blood pressure, SpO2, motion and fall down, blood glucose level, body temperature) about the patient needed to be monitored are collected wirelessly by local computer and transferred to the servers at the hospital side.



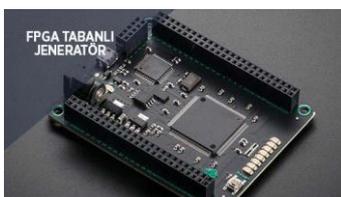
AKYON- Smart Home Automation System: Home automation over internet using computer, tablet or mobile phone. User can control remote electric devices (such as lights, oven, heater, A.C.), monitor the condition of home devices and sensor. Users and related persons can be warned in case of emergency.



KAYAS- Wireless Smart Fire Detection System



PANIC BUTON- Emergency and Panic Button (Mobile System Solution)



FPGA-based SIGNAL GENERATOR- Multiple Output and High Frequency