

Short presentation of an expertise profile for the 5th call Space in FP7



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Call Topics that we are interested in

Space-based applications at the service of European Society (GMES)

- ***Support to the coordinated provision of observation data***
 - Research and development for In-situ component
 - Consolidation of user requirements for GMES

Strengthening the foundations of Space science and technology (SSF)

- ***Research to support space science and exploration***
 - Exploitation of space science and exploration data
- ***Research to support space transportation and key technologies***
 - Key technologies enabling observations in and from space
 - Key technologies for in-space activities

Cross-cutting activities

- ***SME specific research***
 - Bringing terrestrial SME research into the space domain
- ***Studies and events in support of European Space Policy***
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 - Research agenda definitions and research activity road-maps for a European Research framework programme (workshop activities)
 - New emerging research needs - reduction of vulnerability of space infrastructure

Presentation of **kosmonauta.net**

➤ Structure of the organisation

Kosmonauta.net is company created by more than twenty young scientists, engineers, students and creative people with business background. Our team members are located also outside Poland. Our public 'front-end' is the Kosmonauta.net website which promote space-related activities and shows practical application of space technologies.

➤ Short history of the organisation and / or working group

Founded in January 2009 by several Polish astronomy and astronautics enthusiasts with previous experience in small educational satellite projects (e.g. SSETI ESEO, SSETI Swarm) and international organizations (such as SGAC).

August 2010: transformation into a company. At the same time several of Kosmonauta.net founders gained their MSc or PhD degrees (mostly in engineering fields), also outside Poland, and started professional their careers and contracts.

October 2010: IAC presentation (one of only three from Poland)

2011: Kosmonauta.net participates in consultations with the Polish Ministry of Economy. The aim of those consultations is to create first Polish Space Policy, in the eve of ESA accession.

April 2011: First Hevelius balloon mission. The second one is scheduled to early October.

Competencies and experience



➤ Experience and competencies

Strength of the Kosmonauta.net depends on the following competences and experience:

- student satellite projects: SSETI Express, SSETI ESEO and SSETI Swarm (satellite operations, configuration, project management, project design)
- stratospheric ballon missions Hevelius (modular capsule design, live tracking, focus on fast recovery of payload)
- fuel cells research (e.g. SOFC)
- ceramics and composite materials research
- financial engineering
- information about status & progress in the project inc. 'live events'
- data analysis
- focus on Central Europe, its advantages and limitations from legal, organisational and economical perspectives

Intended Role in a Consortium

- Role in consortium:
 - partner
 - promotion/marketing

The screenshot shows the website kosmonauta.net with a dark blue header. The main navigation bar includes links for 'STRONA GŁÓWNA', 'MISJE ZAŁOGOWE', 'MISJE BEZZAŁOGOWE', 'ASTRONOMIA', 'PRZYSZŁOŚĆ', 'TECHNOLOGIE', 'KONFERENCJE', 'EDUKACJA', and 'LUDZIE'. Below this is a secondary navigation bar with 'INFORMACJE', 'REDAKCJA', 'RECENZJE KSIĄZEK', and 'ENGLISH'. The main content area features an article titled 'The Lem satellite undergoes the flatsat test phase' dated 'PIĄTEK, 15 LIPCA 2011 22:21 KRZYSZTOF KARAWKA'. The article text describes the BRITE-PL project, its goals, and the current test phase. A small image of the satellite is visible. To the right, there are two sidebars: 'NAJNOWSZE ARTYKUŁY' with a list of recent articles and 'NAJCIĘŻSZE CYTARY' with a list of popular articles.

Contact

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