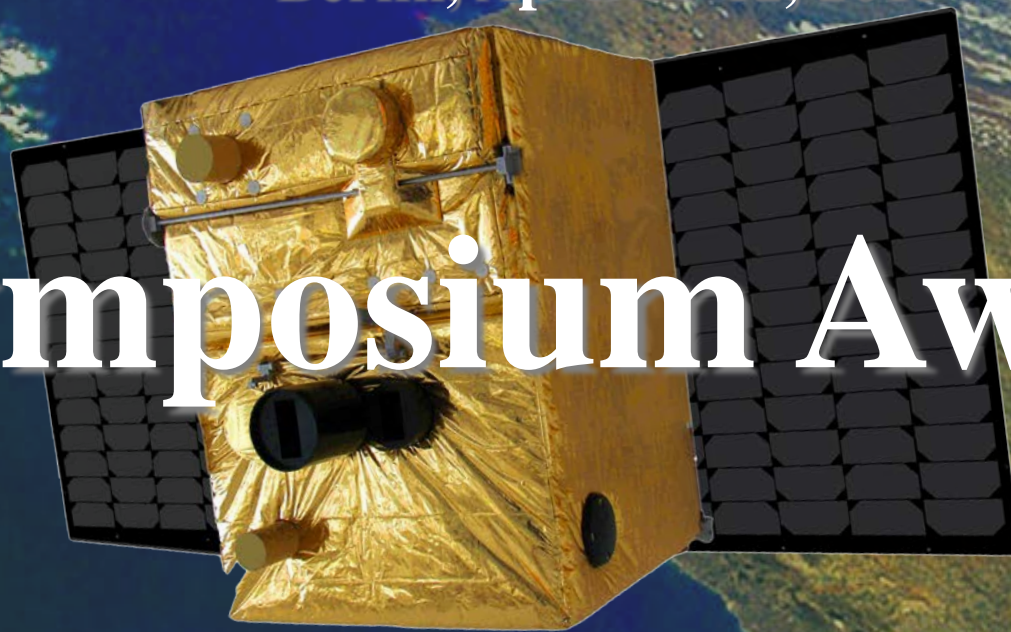


**Small Satellites  
for Earth Observation  
9<sup>th</sup> IAA-Symposium  
Berlin, April 08-12, 2013**



**Symposium Awards**



# Symposium Summary



## Papers awarded

- 1. Development of an automatic near-real-time image processing chain for small satellites;** [Oštir, K.](#), Marsetič, A., Pehani, P., Perše, M., Veljanovski, T., Zakšek, K., Zaletelj, J., Rodič, T., Space-SI, Slovenia; IAA-B9-0511P
- 2. TechEdSat - A minimal and robust 1U cubesat architecture using plug-and-play avionics;** [Schulte, J.](#), Löfgren, H., Selin, P., Bäckström, J., ÅAC Microtec AB, Sweden, Freyer, J., AAC Microtec North America Inc., USA, Bruhn, F., ÅAC Microtec AB, Sweden; IAA-B9-0804

# Symposium Summary

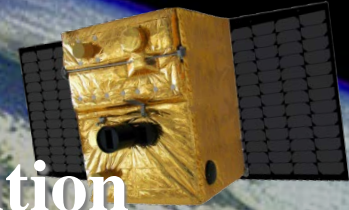


## Posters awarded

- 1. The attitude control system of the TET-1 satellite - In-orbit experiences** / IAA-B9-0907P / [Raschke, C.](#), Astro- und Feinwerktechnik Adlershof GmbH, Germany, Terzibaschian, T., DLR, Germany, Yoon, Z., TU Berlin, Germany, Stoltz, S., Deckert, A., Nicolai, A., Astro- und Feinwerktechnik Adlershof GmbH, Germany
- 2. Validation of the structural-thermal-model of the small Earth observation satellite Flying Laptop** / IAA-B9-1118P / [Steinmetz, F.](#), Lengowski, M., Winter, D., IRS/University of Stuttgart, Germany, Salvador, L., Centre Spatial Liège, Belgium, Röser, H.-P., IRS/University of Stuttgart, Germany, Rochus, P., Centre Spatial Liège Belgium

# Symposium Summary

Student Prize Paper Competition



## First Prize

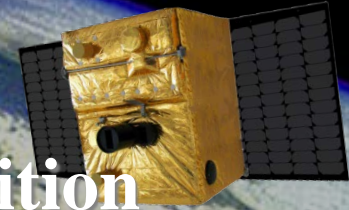
[Dmitriy S. Roldugin](#)

New algorithms for the fully magnetic attitude control system

Co-authors: Tkachev, S. S., Karpenko, S. O.

# Symposium Summary

Student Prize Paper Competition



## Second Prize

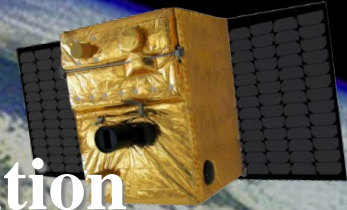
Sreeja Nag

**Nanosatellite Clusters for Bi-directional Reflection Distribution Function (BRDF) Estimations**

Co-authors: de Weck, O.

# Symposium Summary

Student Prize Paper Competition



## Third Prize

[Ciara McGrath](#)

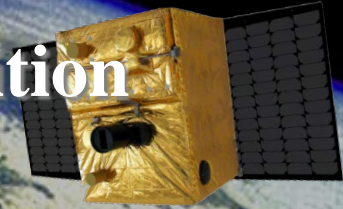
Thermal Analysis of the CubeSat First-MOVE in Preparation for Launch using

ESATAN-TMS r4

Co-authors: Hager, P.

# Symposium Summary

Student Prize Paper Competition



## Honorable Mention

**Antonio Ceci**

**Design and realization of a breadboard for in-space solar cells testing and characterization; Co-authors: Pergola, P., Marcuccio, S.**

**Nobuo Sugimura**

**Attitude control for Earth observation microsatellite RISING-2  
Co-authors: Fukuda, K., Fukuyama, M., Tomioka, Y., Kuwahara, T.**

**Stefan Gregucci**

**Development of low cost solar panel with cover glass for small satellites applications; Co-authors: Pergola, P., Marcuccio, S.**

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