Stella Tkatchova is a Space Business Engineer at RHEA System S.A., a leading Belgian SME space company. She has the unique opportunity to work on business development of new projects, marketing leads development, proposals preparation and the development of projects related to space-based technology innovation, management, and new space applications (i.e. disaster management, etc.). She was awarded a Master of Science (M.Sc.) in space studies from the International Space University (ISU), France and a PhD from the Faculty of Aerospace Engineering, Industrial Engineering Group, TUDelft (The Netherlands). In parallel to her PhD research she worked for several years as a contractor at European Space Agency (ESA)-ESTEC on industrialisation and marketing of the ESA ISS on-board facilities at ESA Commercial Promotion Office (CPO). She started her career working on the market analysis study for the expected revenues from the geomatic applications for the Galileo navigation system and the cost drivers for Metop-A at ESA Cost Analysis Division. Since her childhood in Sofia, Bulgaria she has always dreamt of interplanetary exploration and therefore, developed a strong passion for researching the commercialization of space-based technologies for future interplanetary space missions, future space markets and ways for benefits identification and strategies for creation of public private partnerships for encouraging space technology industrialization. Her passion lead her into setting up a discussion forum in the International Journal of Space Technology Management and Innovation, of which she is the Chief Editor. She believes that space-technology can offer to non-space companies the unique opportunity to exploit technologies, that will result in the development of new markets, applications and technologies. Commercialization of space technology will bring direct and indirect benefits to society in the areas of science, environment protection, disease prevention, energy generation and technology innovation.
Gianluigi Baldesi is an Aerospace Engineer at the European Space Agency in Estec centre (The Netherlands) since 2003. He is currently coordinating simulation activities on dynamics in the Mechanisms Section of the Directorate of Technical and Quality Management (TEC) in order to provide new capabilities and essential expertise in supporting several European aerospace projects (such as VEGA, ATV, ISS payloads, Galileo, etc.). Furthermore, Gianluigi is also technical officer of relative technology development programmes. He holds a 2nd Degree Master (postgraduate) in “Satellites and orbital platforms” from “Sapienza”, University of Rome (Italy) and a “double” Ph.D. in Systems Engineering with honours on “Modelling, Control Design and Simulation for a launch vehicle: from linear to nonlinear methods” from “Sapienza”, University of Rome (Italy) and ISAE, ex SUPAERO (France). In parallel with his main activity in ESA, Gianluigi is also extremely interested on transfer and commercialisation of space-based technologies (such as Space-Based Solar Power projects, and creating a Space Debris Bounty system). The views expressed in this author’s chapter are purely personal and do not necessarily reflect the views of any entities with which the author may be affiliated.

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Memberships:

- IAF Technical Committee on Space Economics
- ASD Data Analysis committee
- ASD R&T Commission
* Eurospace is the association of European space industry, federating expectations and interests of the space manufacturing industry since 1962. Eurospace members are the main space companies in Europe, representing 90% of the total space industry employment in Europe.

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Michel van Pelt has a Master degree in Aerospace Engineering from Delft University of Technology in The Netherlands, specialising in System Engineering and Rocket Propulsion. He has been working as a cost engineer at the ESTEC centre of the European Space Agency since 1998. He is involved in a variety of ESA space projects, for which he prepares cost estimates and analyses of financial proposals. In addition he has developed several cost models. Besides his cost engineering activities, he regularly works in ESTEC’s Concurrent Design Facility as cost engineer, system engineer or team leader for feasibility studies on new spacecraft and launchers. Most recently he acted as team leader for the XEUS and IXO X-ray observatory spacecraft studies that were performed in the CDF, and which involved some 20 experts. He is also author of the popular science books “Space Tourism”, “Space Invaders”, and “Space Tethers and Space Elevators”, all published by Springer/Praxis.