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METHODOLOGIES, APPROACHES AND TECHNIQUES TO ASSIST THE THERMAL ENGINEERS

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The space industry is changing dramatically. Those changes are mainly driven by the pressure to significantly reduce the cost. CubeSat technology perfectly effects these changes. CubeSat technology enables easy access to space. Therefore, more people will gain access to the internet. I believe that education is the most powerful tool in the world. Tomorrow, if you provide access to skills and knowledge to anyone in the world, you give the potential to anyone to create or innovate and thus improve our lifestyle. Spacecraft has the power to do so and I want to be part of this by bringing my contribution. By helping to standardize the thermal analyses across the world, I will share my skills and knowledge with the thermal engineers. It is my hope that people will comment, ask questions, or innovate, which will bring additional value to the thermal engineers' community and the space industry.

BIOGRAPHY

Yannick Melameka has completed his master's degree in mechanics and at the age of 24 years from Polytech/Marseille Graduate School of Engineering (IUSTI), France. He is a senior thermal engineer with 6 years' experience in thermal analysis, thermal tests and equipments and satellites 3D modelling for the space industry. Yannick's career started when he joined Thales Alenia Space in Toulouse, France as Thermal Engineer. There he tested software tools dedicated for the thermal analysis of circuit electronic board. 6 months later, he moved to Cannes, France as spacecraft thermal engineer for Thales Alenia Space with Altran. He was in charge of thermal analyses of SatcomBw2 spacecraft from the predictions of satellite tests temperatures to the predictions of satellite flight final temperatures. After 3 years in Cannes, he moved to Leicester, United Kingdom as senior thermal engineer for ITP aero which is designing ESATAN-TMS. He combined both his expertise on spacecraft thermal engineering and ESATAN-TMS to provide thermal engineering technical services, answer user enquiries regarding the thermal analysis products, offer advice on the use of products and deliver training material. Yannick is now heading up Alphid, a consultancy company he started in 2013.

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