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15<sup>th</sup> International Conference on Surfaces,  
Coatings and Nanostructured Materials  
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## SHORT BIO:

### RESEARCH ACTIVITIES

**Dr. Vita** is Senior Researcher and the Head of the Fuel Processing Materials and Technologies (FPMaT) Research Team at CNR-ITAE. His scientific activity is mostly in the field of heterogeneous catalysis applied to the materials and technologies for the energy and industrial sector. Currently, Dr. Vita is interested in developing innovative structured catalysts (monoliths, foams, POCS) for the intensification of renewable energy chemical storage in molecules (e-fuels or "energy carriers") such as methane and ammonia (Power to Gas and Power to E-fuels/e-carriers processes) and of fossil fuels (natural gas, LPG, diesel) and renewable fuels (biogas, bio-ethanol, green ammonia) reforming. The research activity of Dr. Vita also regards the design, realization and validation of innovative small-scale prototypes. He is author and co-author of 76 publications in peer-reviewed journals (h-index: 31/Scopus, 35/Google Scholar) more than 100 contributes (papers, poster, oral presentations) for international scientific conferences, about 70 technical reports for National and International Projects and 4 book chapters on H<sub>2</sub> production by reforming processes. Dr. Vita is involved in several International and National research projects, as Scientific Responsible. Some of the more recent are shown below: ANDREAH (HORIZON EUROPE, 2023-2027), AMBHER (HORIZON EUROPE, 2022-2026), SPHERA (PRIN PNRR, 2023-2026), MULTITOOL (PRIN 2022, 2023-2026), PLUG-IN (PRIN 2020, 2022-2025). He is also an editorial board member of the journal "Catalysts", MDPI (ISSN 2073-4344) Dr. Vita is also an Active Member of International scientific associations and boards (Hydrogen Europe Research and European Energy Research Alliance). He is also the communications contact person for the ITAE and responsible for managing the institute's website.