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MATERIALS SCIENCE & ENGINEERING

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Thermal Spray research developments and possibilities offered at CPT

The Thermal Spray Center at the Thermal Spray Centre-CPT has a wide experience in surface engineering field and specifically working with thermal spray technologies, mainly HVOF and CGS. During all these years it has been developing a wide range of materials from metals to ceramics from traditional high wear coatings to corrosion

resistant materials. The center has been focusing on novel materials, including new cermets, intermetallic, polymers or metallic glasses, offering both higher wear resistance and/or new surface properties as it is the case of photo catalysis, considering also super hydrophobic or anti-fouling materials. Some of the new developments and their possible applications will be exposed in this presentation, such as main research lines included in H2020 projects like RIBLET4WIND, HYDROBOND or PROCETS.

Biography

Segi Dosta is currently working as a professor at Department of Materials Science and Metallurgical Engineering, Thermal Spray Centre-CPT, Spain. He is also working as technical manager at Thermal Spray Center (CPT), Spain. His research interest includes microstructured and nanostructured materials, coating technology, wear testing, corrosion protection, etc.

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