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Habilitation thesis title: LASER CLADDING: FROM EXPERIMENTAL RESEARCH TO INDUSTRIAL APPLICATIONS

Domain: Industrial Engineering

PUBLICATIONS LIST

RELEVANT PAPERS

1. **Pascu A.**, Stanciu E.M., Croitoru C., Roată I. C., Tierean M.H., Mirza Rosca J., Cimpoesu N., Bogatu C., *Pulsed laser cladding of NiCrBSiFeC hardcoatings using single-walled carbon nanotubes additives*, **Journal of Nanomaterials** 2019, 1-12, 2019. **FI 2.23**
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6. **Pascu A.**, Stanciu E.M., Roata I., Croitoru C., Baltas L., Tierean M., *Parameters and behaviour of NiCrFeSiB Laser cladding in overlapped geometry*, **Bulletin of the Transilvania University of Brasov** 9 (58) (2), 9-16, 2016.

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PHD THESIS

Title: Improvement of mechanical properties of automotive parts through laser cladding

Domain: Industrial engineering

Thesis supervisor: Prof. Dr. Ing. Iovanaş Radu

Public defence 07.09.2011, Transilvania University of Brasov, Faculty of Materials Science and Engineering.

PATENTS

Patent pending no. **A/00762/28.09.2017** with title **Metalic material microalloyed with Zr, Y, Hf si Ti for 4R nuclear plant generation, obtaing and laser processing**

Authors: Geanta Victor, Ionelia Voiculescu, Stefanoiu Radu, Fugaru Viorel, Stanciu Elena, **Pascu Alexandru**, Postolache Cristian si Ioan Mihai

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MEMBER IN THE RESEARCH TEAM

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