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Advanced manufacturing routes for metal/Composite components for Aerospace

Résultats

Informations projet

ADMACOM

N° de convention de subvention: 609188

Projet clôturé

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Date de fin30 Septembre 2016

Financé au titre de
Specific Programme "Cooperation": Nanosciences, Nanotechnologies, Materials and new Production Technologies

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Contribution de l'UE
€ 2 727 360,00

Coordonné par
POLITECNICO DI TORINO
🇮🇹 Italie

Ce projet apparaît dans...



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Les liens vers les livrables et les publications des projets du 7e PC, ainsi que les liens vers certains types de résultats spécifiques tels que les jeux de données et les logiciels, sont récupérés dynamiquement sur [OpenAIRE](#) .

Publications

Publications via OpenAIRE (10)



[Pressure-less joining of C/SiC and SiC/SiC by a MoSi₂/Si composite](#) 

Auteurs: GIANCHANDANI, PARDEEP KUMAR; CASALEGNO, VALENTINA; SMEACETTO, FEDERICO; FERRARIS, Monica

Publié dans: WileyCrossref 2016

Identifiant permanent: Digital Object Identifier:10.1111/ijac.12631; Microsoft Academic Graph Identifier:2562640083; Handle:11583/2669003

[Torsional shear strength of steel joined with high performance aerospace adhesives at cryogenic and elevated temperatures](#) 

Auteurs: Gurdial Blugan; Gustavo Mata-Osoro; Simon Fecht; Jolanta Janczak-Rusch; Jakob Kuebler

Publié dans: Public Library of Science (PLoS) PLoS ONE, Vol 13, Iss 11, p e0206981 (2018) 2018

Identifiant permanent: Digital Object Identifier:10.1371/journal.pone.0206981; PubMed ID:30403732; PubMed Central ID:PMC6221318; Microsoft Academic Graph Identifier:2899601851

[Wettability of SiC and graphite by Co-Ta alloys: evaluation of the reactivity supported by thermodynamic calculations](#) 

Auteurs: Sofia Gambaro; Alberto Passerone; Maria Luigia Muolo; Gabriele Cacciamani; Gabriele Cacciamani; Fabrizio Valenza

Publié dans: Springer Science and Business Media LLCinfo:cnr-pdr/source/autori:Gambaro S.; Valenza F.; Muolo M.L.; Passerone A.; Cacciamani G./titolo:Wettability of SiC and graphite by Co-Ta alloys: evaluation of the reactivity supported by thermodynamic calculations/doi:10.1007/s10853-017-1448-0/rivista:Journal of materials science/anno:2017/pagina_da:1/pagina_a:13/intervallo_pagine:1-13/volume:52 2017

Identifiant permanent: Digital Object Identifier:10.1007/s10853-017-1448-0; Microsoft Academic Graph Identifier:2743286626; Handle:20.500.14243/340167; Handle:11567/887850

[Joining of CVD-SiC coated and uncoated fibre reinforced ceramic matrix composites with pre-sintered Ti3SiC2 MAX phase using Spark Plasma Sintering](#)

Auteurs: Tatarko, Peter; CASALEGNO, VALENTINA; Hu, Chunfeng; SALVO, Milena; FERRARIS, Monica; Reece, Michael J.

Publié dans: Elsevier BVJournal of the European Ceramic Society 2016

Identifiant permanent: Digital Object Identifier:10.1016/j.jeurceramsoc.2016.06.025; Microsoft Academic Graph Identifier:2495538173; Handle:11583/2646084

[Torsion Test vs. Other Methods to Obtain the Shear Strength of Elastic-Plastic Adhesives](#)

Auteurs: Ferraris, Monica; Salvo, Milena; Casalegno, Valentina; De La Pierre, Stefano; Goglio, Luca; Benelli, Alessandro

Publié dans: MDPI AGApplied Sciences, Vol 12, Iss 7, p 3284 (2022) 2022

Identifiant permanent: Digital Object Identifier:10.3390/app12073284; Handle:11583/2959467

[Surface engineering of SiC_f/SiC composites by selective thermal removal](#)

Auteurs: Valenza F; Casalegno V; Gambaro S; Muolo ML; Passerone A; Salvo M; Ferraris M

Publié dans: Wileyinfo:cnr-pdr/source/autori:Valenza F.; Casalegno V.; Gambaro S.; Muolo M.L.; Passerone A.; Salvo M.; Ferraris M./titolo:Surface engineering of SiC_f/SiC composites by selective thermal removal/doi:10.1111/ijac.12618/rivista:International journal of applied ceramic technology/anno:2017/pagina_da:287/pagina_a:294/intervallo_pagine:287-294/volume:14 2016

Identifiant permanent: Digital Object Identifier:10.1111/ijac.12618; Microsoft Academic Graph Identifier:2547981782; Handle:20.500.14243/337349; Handle:11583/2667309

[Effect of pulsed laser irradiation on the SiC surface](#)

Auteurs: Suess, Manuela; Wilhelmi, Christian; SALVO, Milena; CASALEGNO, VALENTINA; Tatarko, Peter; Funke, Matthias

Publié dans: WileyCrossref 2017

Identifiant permanent: Digital Object Identifier:10.1111/ijac.12655; Microsoft Academic Graph Identifier:2584597734; Handle:11583/2667308

[Characterisation of joined surface modified SiCf/SiC composites](#)

Auteurs: Casalegno, Valentina; Valenza, Fabrizio; Balagna, Cristina; Sedlák, Richard; Girman, Vladimír; Salvo, Milena; Ambrois Stefano, De la Pierre des; Ferraris, Monica

Publié dans: Elsevier BVinfo:cnr-pdr/source/autori:Casalegno V.; Valenza F.; Balagna C.; Sedlak R.; Girman V.; Salvo M.; De la Pierre des Ambrois S.; Ferraris M./titolo:Characterisation of joined surface modified SiCf/SiC composites/doi:10.1016/j.ceramint.2019.10.133/rivista:Ceramics international/anno:2020/pagina_da:4159/pagina_a:4166/intervallo_pagine:4159-4166/volume:46 2020

Identifiant permanent: Digital Object Identifier:10.1016/j.ceramint.2019.10.133; Microsoft Academic Graph Identifier:2981023271; Handle:20.500.14243/380148; Handle:11583/2764160

[Mechanical behavior of SiC joints brazed using an active Ag-Cu-In-Ti braze at elevated temperatures](#)

Auteurs: Frank Moszner; Gustavo Mata-Osoro; Mirco Chiodi; Jolanta Janczak-Rusch; Gurdial Blugan; Jakob Kuebler

Publié dans: WileyCrossref 2017

Identifiant permanent: Digital Object Identifier:10.1111/ijac.12689; Microsoft Academic Graph Identifier:2611016157

[Wetting and interfacial phenomena of Ni-Ta alloys on CVD-SiC](#)

Auteurs: Thomas Weißgärber; Alberto Passerone; Andreas U. Schmidt; Sofia Gambaro; Michael J. Reece; Peter Tatarko; Fabrizio Valenza; Gabriele Cacciamani; Gabriele Cacciamani; Maria Luigia Muolo; Theo Saunders; Thomas Schubert

Publié dans: WileyInternational journal of applied ceramic technology 14 (2017): 295-304. doi:10.1111/ijac.12632 2016

Identifiant permanent: Digital Object Identifier:10.1111/ijac.12632; Microsoft Academic Graph Identifier:2564599467; Handle:20.500.14243/337308; Handle:11567/859071

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