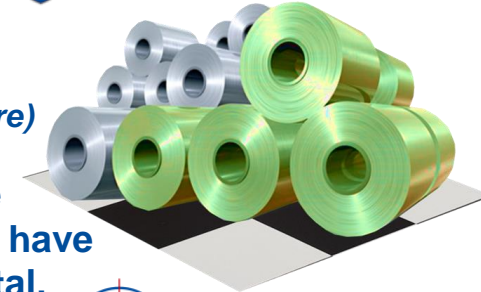




MIPET & STRATEGOS Webinar

Towards Green Steel

POC: Ing. Cristiano Castagnola, Head of Business Unit Iron, Engineering at Paul Wurth
Prof. Agostino G. Bruzzone, MIPET President, Genoa University
Prof. Elisabetta Arato, MCFC-CONTEX Director, Genoa University
Ing. Giovanni De Marchi, Consultant



1400-1800, GMT+2, July 6, 2021 Blended on **STRATEGOS** Webinars on MS TEAMS (Click Here) and in Genoa University, via Opera Pia 15a, 16145 Genova, Italy

Iron & Steel Industry has to face a renovation to face the future considering the extensive need of Society for Steel for Construction, Industry and Projects that have to face the modern Sustainability Challenges in a wide sense (e.g. Environmental, Economic and Social Aspects). This is an excellent example how Old Economy is a very fruitful field of application for Innovation



This Webinar addresses Green Steel and related enabling technologies and innovative processes as a very important issue for Industrial Plant future development addressing following subjects

- Green Steel
- Innovation in Iron & Steel Processes
- Green Steel Comprehensive Models for Sustainability
- Hydrogen based Steel Production from Iron Ore
- *Plants based on Pelletizing, Shaft Furnace & EAF*
- *Plants using Fluidized Bed Reduction of Ore Fines & EAF*
- Step Wise Reduction of CO₂ Footprint in Integrated Steel Plants
- Method for Hydrogen Production coupled with CO₂ Capture in Integrated Steel Plants

EAF Electric Arc Furnace

This Webinar is part of MIPET Green Steel and is developed jointly by Genoa University, PW Italia in cooperation with Ordine degli Ingegneri Genova & Confindustria and provides 4 CFP to Engineers



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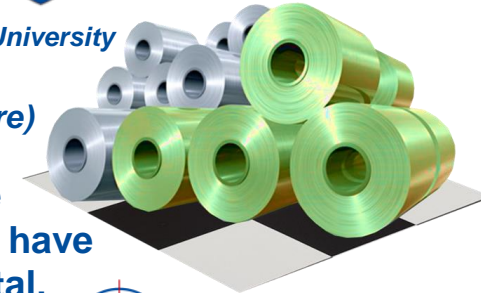
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Agenda:

- 1400 Welcome
- 1430 Innovation in Iron & Steel by Cristiano Castagnola, Head of Business Unit Iron, Engineering, PW Italia
- 1445 Green Steel and Alternatives by Giovanni De Marchi, Consultant
- 1500 Industrial Plants Comprehensive Sustainability Models by Agostino G. Bruzzone, MIPET President, Genoa University
- 1515 Comparative Evaluation of Alternative Routes for Hydrogen based Steel Production from Iron Ore Pelletizing + Shaft Furnace + EAF vs. Fluidized Bed Reduction of Ore Fines + EAF by Katia Papalia, Senior Business Development Engineer, PW Italia
- 1600 Step Wise Reduction of CO₂ Footprint in Integrated Steel Plants, Alessandro Olcese, Chemical & Process, PW Italia
- 1630 Method for Hydrogen Production coupled with CO₂ Capture in Integrated Steel Plants by Belén Plaza Fernández-Renau, Process and Project Engineer, PW Italia
- 1700 Innovative Processes enabling Green Steel Industry Development by Elisabetta Arato, MCFC-CONTEX Director, Process & Engineering Research Team PERT, Genoa University
- 1800 Closure

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