EUROSTEELMASTER 2021

XII Edition - Online course
European Advanced Training Course for the Worldwide Steel Sector
3 - 7 May 2021

With the support of
The steel industry is experiencing a rapid worldwide evolution in terms of management structures, technology and business. In this context, technological innovation and digitalization play a fundamental role. These developments have deep implications for the steel market as well as for the production cycle. Anyhow starting especially from last year onward, business conditions in the steel-using sectors are supportive to growth. Consequently, steel demand is expected to continue its gradual grow. In order to successfully manage these developments, operatives need to possess analytical and managerial skills, supported by a deep knowledge of the steel industry. This is essential to allow the management to be actively involved in the implementation of company policies and to shape and contribute positively to on-going developments.
TARGET GROUP

The Eurosteelmaster is aimed at managers, researchers, students, trade unionists and other professionals operating in the entire value chain of the steel sector. Participants should possess a university degree or equivalent experience.

ORGANIZERS/SUPPORTERS

The course is organized by RINA with the support of EUROFER, ESTEP - European Steel Technology Platform, Ordine degli Ingegneri di Taranto, Confindustria Taranto, Federacciai, European Commission. Cooperation with EU and worldwide interested parties, on the basis of enrollment of participants from the main steel and related companies, is highly welcomed.

Centro Sviluppo Materiali into RINA

Centro Sviluppo Materiali was founded in 1963 by Italy’s major steel manufacturers and end-users with the mission of developing steel technologies and applications. Over time CSM widened the range of its technological interests and skills to cover new capabilities in order to become a reference point for steel and high tech industry worldwide. Since 2014, CSM is part of RINA. Bringing CSM into RINA has been part of the long term growth strategy of developing and widening the competence portfolio. Thanks to this integration strategy, RINA has very highly skilled engineers and scientists skill sets enable the faster grow its new identity, marked by digitalization, anywhere there is a demand for advanced materials knowledge, especially in steel and metal alloys processes and products.
CONTACT US

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COURSE MANAGER

Pietro Gimondo, RINA

COURSE DIRECTOR

Enrico Gibellieri, Delegate of the of European Economic and Social Committee
The Scientific Committee contributes to improve the skill needs of the steel sector dealing with very demanding challenges to improve the quality of products and, in the same time, implementing the progressive de-carbonization of the production processes toward the carbon neutrality of the entire sector.

**Pietro Gimondo**  RINA  
**Luigi De Filippis**  Politecnico di Bari  
**Veit Echterhoff**  thyssenkrupp, chairman of ESTEP FG People  
**Dimitri Zurstrassen**  University of Louvain and Sorbonne  
**Mikka Nieminen**  Eurofer, Public Affairs  
**Gabriele Morgante**  European Commission DG Grow  
**Federico Mazzolari**  Acciaierie Arvedi
REGISTRATION FEE

**FULL FEE**
650,00 Euro (+VAT)

**STUDENT FEE**
250,00 Euro (+VAT)

REGISTRATION

Registration can be made online on the RINA.org website or through the registration form which can be downloaded from the website.
To register send the Application form to: eurosteelmaster@rina.org
The participation to the seminar is free of charge. Registrations will be accepted until available places.

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RFCS Project REUSteel Seminar
“Dissemination of results of the European projects dealing with reuse and recycling of by-products steel sector (REUSteel)” is a project co-founded by the Research Fund for Coal and Steel (RFCS). The project is framed in the context of more eco-friendly and sustainable solutions in the steel industry. The reuse and recycling of by-products of the steelmaking cycles as well as on the exploitation of by-products from other activities outside the steel production cycle, such as alternative carbon sources (e.g., biomasses and plastics) are the proper actions to move towards a saving of the natural resources together with a reduction of the environmental impact, hence being closer to a “zero-waste” goal.

The aim is to provide bridging solutions to lead the steel industry towards a reduction of its environmental impact with an obvious saving of natural resources, hence in being closer to a virtuous objective of “zero waste” goal. These thematic fields are perfectly framed in a concept that is strongly emphasized at a European level and that is receiving increasing attention in the scientific and technical community in the latest years, namely the so called Circular Economy.

“REUSteel” aims at an extensive action of dissemination and valorisation of the most important research results on by-products reuse and recycling, based on an integrated critical analysis of many EU-funded projects, in order to promote results exploitation and increase the synergies with other industrial sectors. This analysis will allow identifying the most urgent needs and ambitions of the European steel sector and defining a sequence of future research topics in this field.

A joint critical analysis, carried out by all the partners, belonging to different institutions, will provide new insights and guidelines for future research topics in this field, in order to promote the dissemination and, consequently,
the implementation of the achieved results. The project will also organise the results, in order to present selected groups of topics at planned workshops and seminars. This will provide a clearer vision of the outcomes to stakeholders and new audiences, in order to get new and deeper indications for a new roadmap, future synergies with other sectors and industrial trends.

“REUSteel” will contribute to an update of the steel roadmap for a low carbon Europe 2050 and the current BIG-Scale initiative of EUROFER.

The partners involved in the project are

![Sant’Anna](SantAnna.png)  ![Bfi](Bfi.png)  ![RINA](RINA.png)  ![FEHS](FEHS.png)  ![SWERIM](SWERIM.png)

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**RFCS Project REUSteel Seminar**

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<td>09.00 - 09.30</td>
<td><strong>Welcome and Introduction</strong>&lt;br&gt;Pietro Gimondo, <em>RINA</em></td>
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<td>09.30 - 13.00</td>
<td><strong>Dissemination of the REUSteel RFCS projects results</strong></td>
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Opening session
3 May

Opening session EUROSTEELMASTER 2021

14.30 - 15.00

**Introduction to the Course & Participants self-presentation**

Guido Chiappa, *RINA*

Pietro Gimondo, *RINA*

Enrico Gibellieri, *Director of Eurosteelmaster*

15.00 - 17.00

**Historical background: highlights on the European steel industry after 1945**

Enrico Gibellieri, *Director of Eurosteelmaster*

Dimitri Zurstrassen, *University of Louvain-la-Neuve, Sorbonne University*
4 May

Politics, Market and Trade

09.15 - 10.45
Main Market and Policy Trends in the International Steel Industry
Anthony De Carvalho, OECD Steel Committee

11.00 - 12.30
The EU Steel sector amid challenging market conditions
Alessandro Sciamarelli, Director Market Analysis and Economic Studies EUROFER

Technology

14.15 - 15.45
Blast Furnace & Direct reduction: the transition to a de-carbonized steel production
Eros Faraci, RINA

16.00 - 17.30
Electric Arc Furnace and its new important role for a sustainable steel production
Cesare Giavani, Tenova
5 May | Sustainability 1

09.00 - 10.30 | Future Challenges on HR in the EU Steel Industry
Antonius Johannes Schröder, Chairman ESTEP FG5 People

11.00 - 12.30 | Circular Economy, Industrial Symbiosis and Climate Change
Filippo Cirilli, RINA

EU & MSs Industrial policy for the Steel Sector

14.00 - 15.00 | The EU Policies for the Steel Sector
Gabriele Morgante, EC DG Grow

15.15 - 16.15 | The EU Policies for Research and innovation Steel Sector
Andrea Gentili, EC DG Research & Innovation

16.30 - 17.30 | The Italian Steel National Plan, an example of new industrial policy for the steel sector
TBC, MISE
6 May

**Research & Innovation**

09.00 - 10.30  **R&I: RFCS, Horizon Europe**  
Andrea Tropeoli, *RINA*

11.00 - 12.30  **R&I: International Cooperation**  
Pietro Gimondo, *RINA*

**Sustainability 2**

14.00 - 15.30  **The Clean Steel Partnership and the Carbon Neutral Steelmaking**  
Klaus Peters, *ESTEP General Secretary*

16.00 - 17.30  **Hydrogen for a sustainable green steel production**  
Gianluca Mannucci, *RINA*
7 May

Social Partners and the EU Green Deal

09.15 - 10.45
Green Deal and Just Transition in the Steel Sector
Judith Kirton-Darling, Deputy General Secretary industriAll Europe

11.00 - 12.30
The Green Deal and the Steel Sector
Axel Eggert, General Director of EUROFER

12.30 - 13.00
Conclusions
Enrico Gibellieri, Director of Eurosteelmaster