



SAVE THE DATE

October, 15 – 16, 2020
Pisa, Italy

An ESTEP Workshop:

**Impact and
opportunities of
Artificial Intelligence
techniques in the Steel
Industry**



Call for Abstracts

The workshop is dedicated to key players of the steel sector such as manufacturers, systems integrators, solution providers, academic and R&D experts focusing management of threats, risk evaluation, defense policy and mitigation strategies evidencing the impact on business in general and the operational environment for humans and systems.

Participation fee

Participation fee is € 400 per person. It includes workshop proceedings, common dinner / lunch and coffee breaks.

Payment instructions will follow with the detailed Program of the two days, the location address and the list of suggested accommodations

Sponsorship opportunities

Companies interested in exhibiting and/or sponsoring the event may contact the ESTEP Organising Secretariat : D.Snaet@estep.eu

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STEELMASTER®

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Background

Artificial Intelligence (AI) and Machine Learning (ML) allow computers, robots, products mimicking human behavior considering humans as key players of *smart networks*. Out of the economical and financial aspects of business, AI applications are already implemented or under development in the steel factories. Therefore, time is mature for a dedicated event to analyze consequences and opportunities offered by AI. It is time also to rationalize the fascination of creating digital and cyber-physical systems able to learn from experience through ML without fears on the centrality of human role.

The participation of the steel community and other industrial sectors is a step ahead towards the achievement of such aims with the ambition to share the perception of AI, to provide indications to dedicated R&D actions with the involvement of UE sectors and the definition of needs and expectations of the involved players. Societal aspects and deep consideration of the impact on workforce and education systems are also major issues to be considered to empower human role in the Smart Factory. Workforce must be provided with skills to foster a conscious fearless approach capable of seizing opportunities by enriching operators and decision makers with the benefits of AI.

Topics

Experts, ICT engineers and managers, solution providers and system integrators, suppliers, universities and research institutes, consulting companies, national and international organizations operating in steel and other industrial sectors are invited to submit abstracts on AI-related topics relevant to the steel context such as the ones reported in the following not exhaustive list:

- Industrial need and R&D directions in Artificial Intelligence and Machine Learning
- Data management and data quality issues relevant for the application of AI and ML
- Advantages, capabilities and trends in the industrial application of AI and ML
- Constraints, opportunities and threats of data-driven technologies, including cybersecurity aspects
- Standards and Artificial Intelligence Management Models in Process Industry
- Impact of AI and ML: workforce, operations, systems and organization
- Examples and Experiences.

Deadlines

- Submission of abstracts to be sent to D.Snaet@estep.eu April 25, 2020
- Information on acceptance June 12, 2020
- Opening online registration May 4, 2020

Oral and poster sessions are foreseen

