Premessa

In the multi-faceted application field of stainless steels, which covers now a variety of industrial sectors (food industry, architecture and infrastructures, transport, etc.), an essential role is played by the parameters related to surface finishing. Among the most important aspects of these materials, it is necessary to mention not only their resistance to corrosion and durability, as well as their physical and mechanical characteristics and workability, but also their aesthetic properties and values, which succeed in “expressing” themselves especially in some specific areas, such as architecture and design. However, concerning some particular applications, we can note that more and more frequently, surface finishing becomes an essential parameter also from a functional point of view. Surface finishing has, actually, a considerable influence, in particular environments and climates, on triggering and bringing about localized or general corrosion phenomena. In order to outline a complete picture capable to provide up-to-date technical and scientific information on these two apparently different but closely related aspects, the seminar intends to consider the most typical technical aspects related to the performance of these materials once they are installed, starting from an overview of some architectural applications, which show the great versatility of stainless steels from an aesthetic point of view. The seminar is focused both on the different kinds of standards finishing options complying with the European regulations, and non-standard ones, which are increasingly used in the areas of design and building industry. Great attention will be paid to the post-processing and machining treatments (i.e. pickling, passivation, and electro-polishing) that are necessary to install stainless steel elements in the best conditions.

During the event there will be some exhibition stands of companies in the sector which wish to take advantage of this important showcase.

For information about the modality of participation to the exhibition area, please contact: Centro Inox – Giovanna Ferrario, Phone +39 02 86450559 – Fax +39 02 860986 – eventi@centroinox.it
Program of the Seminar:

9.00a.m. Participants’ check-in

Opening Address:
Riccardo Guidetti - UNIVERSITA’ DEGLI STUDI DI MILANO, Milan

Introduction to the Seminar
Fausto Capelli - CENTRO INOX, Milan

Stainless Steel in Architecture
Dante O. Benini - DANTE O. BENINI & PARTNERS ARCHITECTS, Milano

Surface Finishing and Corrosion Resistance in Stainless Steels
Marco Boniardi, Andrea Casaroli - Department of Mechanics, POLITECNICO DI MILANO, Milan

Building Casings: Atmospheric Corrosion Influence on the Different Stainless Steel Types and Grades
Gaetano Ronchi - IMOA, London - UK

Coffee Break

Flat Products Surface Finishing: EN 10088-2 Update
Paolo Viganò - CENTRO INOX, Milan

Precision Strips Surface Finishing
Davide Montepagano - ARINOX Spa, Sestri Levante, Genoa

Discussion
Lunch Break

02.00 p.m.

Stainless Steel Colouring and Non-conventional Surface Finishing
Stefano Ricci - STEEL COLOR Spa, Pescarolo ed Uniti, Cremona

Pickling, Passivation and Electric Polishing
Massimo Rigatti, DELMET Srl, Gorgonzola, Milan

Stainless Steel Sheet Micropunching for Aesthetical Purposes
Gaetano Dellavia - DELINOX Srl & ONEPLOT Srl - Lodi Vecchio, Lodi

Without Forgetting Cleanability: A Comparison of Trials and Tests
Laura Franzetti, Riccardo Guidetti - UNIVERSITA’ DEGLI STUDI DI MILANO, Milan

Discussion
Closing of the Seminar