

# SEMINARIO INDUSTRIA INDUSTRY 4.0

Tendencias y Casos Reales de Aplicación  
*Trends and Real Cases*



// 23 - 24 OCT. 2019 //  
PUERTO NORTE Rosario, Santa Fe, Argentina

## Programme

**WEDNESDAY, 23<sup>rd</sup> October 2019**

08.00 - 08.55 h

**Registration**

08.55 - 09.00 h

**Welcome:** Industry 4.0: Trends and Real Cases Seminar

9.00 - 9.20 h.

**Reliable crane operations ensured - Predictive maintenance with Iigus smart plastics.**

M. Wunderlich, M. Borisenko (Iigus)

9.20 - 9.40 h

**Production indicators and maintenance alerts system.**

R. Mustafa (Wiidem)

9.40 - 10.00 h

**The workflow of a computer vision project in the industry.**

T. Crivelli, E. Ansaldi (Zowl Labs)

10.00 - 10.20 h

**Augmented operator IoT**

C. Ferrante, M. Vazquez (MAGNANI Soluciones Eléctricas Sustentables - Industrial Automation Distributor SCHNEIDER Electric)

10.20 - 10.50 h

**Coffee Break**

10.50 - 11.10 h

**Implementation of robotized tundish operations at Ternium Brasil.**

F. Ramstorfer, L. Martins Demuner (Ternium Brazil)

11.10 - 11.30 h

**AI application to front-end bending prediction.**

M. Saparrat (Tecnoap), F. Monti, J. Ibarra (Ternium Mexico)

11.30 - 11.50 h

**Industry 4.0 - developing conditions. The case of an autoparts maker SME.**

C. Pan, O. Cavalli (Industrias Guidi)

11.50 - 12.10 h

**Next level services: How new metals services in the age of Industry 4.0 will support industry transformation.**

G. Arroyo, T. Bradshaw (Primetals)

12.10 - 14.00 h

**Lunchtime**

14.00 - 14.20 h

**Online monitoring and diagnostic system applied to predictive maintenance.**

M. Tosti, M. Nepil (Gerdau)

14.20 - 14.40 h

**Big Data clusters and analytics for extensive data in Industry 4.0.**

F. Barreiro, M. Simiand (Ant-Automation)

14.40 - 15.00 h

**Present and future of quality control in the steel industry.**

H. Monti (Consultor)

15.00 - 15.20 h

**Tenaris Bay City: optimized design through multi-paradigm simulations.**

G. Arakaki (ITBA)

15.20 - 15.50 h

**Coffee Break**

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15.50 - 16.10 h

**Automatic lubrication on demand.**

F. Rolt, N. Giavino (SKF Argentina)

16.10 - 16.30 h

**Industry 4.0 - emergent technologies experiences**

D. Justribó, G. Conradi (Oracle)

16.30 - 16.50 h

**Digital engine helps industry to save energy, water and reduce costs.**

L. Armacollo, F. Araújo (Nalco Water - Ecolab)

16.50 - 17.10 h

**Digital solutions for modern and efficient ironmaking**

A. Lyrio, F. Hansen (Paul Wurth)

17.30 h

**Get-Together Cocktail**

## THURSDAY, 24<sup>th</sup> October 2019

08.20 - 08.30 h

**Welcome:** Industry 4.0: Trends and Real Cases Seminar

8.40 - 9.00 h

**Ovenbird: a modular AI platform for the industry.**

E. Ansaldi, T. Crivelli (Zowl Labs)

9.00 - 9.20 h

**Digital Innovation in Industry 4.0.**

G. Méndez, H. Aymard (Oracle)

9.20 - 9.40 h

**My Yard, application environment for finished product WHS.**

P. Pozzetti (Tenaris Siderca)

9.40 - 10.00 h

**Online support for storage decisions.**

M. Sanchez (Tenaris Siderca)

10.00 - 10.20 h

**Remote video assistance and augmented reality for industrial maintenance.**

D. Miranda, A. Solari (Acindar Grupo ArcelorMittal)

10.20 - 10.40 h

**Ladle tracking system based on IoT devices (Bluetooth Low Energy & LoRa).**

G. Tomassini, F. Jorro (Ternium Argentina), A. González, C. Hecvi (Indusys)

10.40 - 11.10 h

**Coffee Break**

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11.10 - 12.10 h

## Panel Discussion

12.10 - 14.00 h

Lunchtime

14.00 - 14.20 h

**Refractories 4.0 - APO (automated process optimization).**

G. Lammer (RHI Magnesita)

14.20 - 14.40 h

**Project 4.0 from 3D scan to the BIM BAM BOOM project with BI tools.**

B. Coloccini, M. Bergonzi (Estudios Integrales - Ingeniería y Servicios)

14.40 - 15.00 h

**AI application to melting temperature prediction in an electric arc furnace.**

M. Saparrat (Tecnoap), F. Monti, J. Ibarra (Ternium Mexico)

15.00 - 15.20 h

**Technology and change management in scrap purchasing.**

D. Díaz Fidalgo (ArcelorMittal Spain)

15.20 - 15.50 h

Coffee Break

15.50 - 16.10 h

**Tenaris Siderca: digitalization as a process of change.**

P. Delfino, N. Herrera (Tenaris Siderca)

16.10 - 16.30 h

**Machine learning applied in the steel industry.**

A. González, O. Martín (Janus Automation)

16.30 - 16.50 h

**An assessment of environmental impacts of scrap handling and the future of Zero emissions scrap yard.**

S. Osborne (E-crane International USA)

16.50 - 17.10 h

**Intelligent RAMON digital steel factory**

C. Wang, M. Barbaro (RAMON Science & Technology)

17.10 h

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