



KEY SEMINARS ORGANIZED BY CBMM

SEMINAR	YEAR	AUDIENCE	OBJECTIVES
<p>International Symposium on Wear Resistant Alloys</p> <p>Campinas, São Paulo (Brazil)</p>	2015	Over 170 representatives from the supply chain – steel and alloy producers, miners, equipment manufacturers and researchers	Share technological advances, understand the needs of industry and discuss future opportunities related to the challenges of improving wear resistance
<p>International Seminar on Ultra Sour Service, Low Manganese Linepipe Steel</p> <p>São Paulo (Brazil)</p>	2014	80 participants from steelmakers, universities, pipe producers and oil & gas companies	Discuss the application of low manganese steels in the oil & gas sector, particularly in sour service environments
<p>International Seminar on the Application of High Strength Steels in the Lightweight Design of Commercial Vehicles**</p> <p>São Paulo (Brazil)</p>	2013	149 professionals representing the commercial vehicle manufacturing supply chain, including steelmakers, vehicle and parts manufacturers and academia	High strength steel applications in the lightweight design of commercial vehicles, demonstrating these steels' performance in service, and gains related to fuel consumption, emissions, structural integrity and reduced operational costs
<p>Value-Added Niobium Microalloyed Construction Steels Symposium</p> <p>Singapore</p>	2012	130 delegates from 85 organizations and 19 countries representing the entire construction supply chain from builders to steelmakers, designers, architects and end users	Discuss the practical solutions resulting from using niobium microalloyed steels in building structures and public works, including stadiums
<p>International Seminar on Microalloyed Steels for Sour Service</p> <p>São Paulo (Brazil)</p>	2012	120 participants from 21 countries representing the entire supply chain for oil & gas pipelines in sour service	Discuss the current specifications for niobium microalloyed steels for oil & gas pipelines in corrosive environments like the pre-salt fields being explored by Petrobras. Discuss new possibilities in innovative steels that can increase the lifespan of these components
<p>International Seminar on the Welding of High Strength Pipeline Steels</p> <p>Araxá, Minas Gerais (Brazil)</p>	2011	Technical personnel and welding specialists, oil & gas pipeline manufacturers and users, steelmakers, representatives from research centers and universities	Present the current state of development in this area and define the main points that require further study. Examples were presented of the concept of low carbon, high niobium steel for oil & gas pipe with excellent weldability

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International Symposium on Niobium Microalloyed Steels in Automotive Industry Araxá, Minas Gerais (Brazil)	2005	Principal car manufacturers from the United States, Europe, Japan, India, China and Iran as well as steelmakers and researchers	Discuss current and future niobium applications in high-strength steels for the worldwide automotive industry
Niobium in High Temperature Applications Araxá, Minas Gerais (Brazil)	2003	Representatives from the aircraft turbine and stationary power generation turbine industries from the United States, France, United Kingdom, Japan, Germany, China and Brazil	Demonstrate innovations in the use of niobium in high-temperature applications
Niobium 2001 - Science and Technology Orlando (USA)	2001	Science and technology professionals from universities, institutes and industry who are involved in niobium extraction, processing, research and applications	Publish reference texts on niobium science and technology with the participation of internationally renowned professionals

*A primary purpose of the events was to create specific reference texts on niobium technology.

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