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ITA 18th Annual Titanium Conference
October 7-8, 2002
Orlando, Florida

Monday, October 7, 2002

World Titanium Industry Trends

Timothy G. Rupert
RTI International Metals, Inc.
World Titanium Industry Trends

J. Landis Martin
TIMET
Military Market for Titanium

Thomas E. Williams Jr.
Allvac
Challenges and Opportunities Facing the Titanium Industry

Markus Holz
Titania S.p.A.—Deutsche Titan GmbH
Bright and Beautiful? An Outlook on Titanium

Toshihiko Takeda
Japan Titanium Society
50 years -- Great Steps of The Japan Titanium Society

Emerging Technologies in Titanium

Ryosuke O. Suzuki & Katsutoshi Ono
Kyoto University & Nippon Titanium Inc.
OS process - A New Calciothermic Reduction of TiO₂ in the Molten CaCl₂

E. Scott Jackson
Lectrotherm
A Titanium Mill Concept for the Times

Andrea Moriconi & Gampiero Santin
Technocentro S.r.l.
A New Generation of “Skull Melting” Vacuum ARC Furnaces for CP Titanium and Its Alloys

Patrick L. Boster
RTI Energy Systems Incorporated
Offshore Deep Water - Engineering Challenges & Solutions

Titanium Distribution Trends

Brett Paddock
Titanium Industries Incorporated
Absorbing the Bumps – Consistent Supply for Diverse Demands

Daniel S. Schroeder
Western Titanium Incorporated
Distribution Strategies in a Changing Aerospace Market

George J. Esseff, Jr.
Supra Alloys Incorporated
Current Market Trends: Titanium Distribution, Challenges & Opportunities

Gary C. Johnson
TICO Titanium Incorporated
The Future of Titanium Distribution

Welding Panel

Stephen L. Luckowski (Presented by Jim Dorsch)
US Army ARDEC
Gas Metal Arc Pulse Robotic Welding

John R. Lawmon
Edison Welding Institute
Consumable Inserts for Grade 5 Ti Alloys

Toshiaki Iwata
National Maritime Research Institute
Buckling Strength of CP Grade 2 Titanium Hull Structure

Christopher S. Punshon
TWI Ltd.
High Quality and Productivity Joining Processes for Titanium Alloys

Michael E. Wells
Naval Surface Warfare Center
Development of Flux-Cored Wires for Titanium

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Aerospace

Ryan S. Addison

RTI Fabrication

Titanium Extrusions for Aerospace & Industrial Applications

Edmund S. Greenslet

ESG Aviation Services, The Airline Monitor

Airline Industry Today - A New World Order

Kim M. Tran

Naval Surface Warfare Center

Titanium Nosecone Liners for the Navy's Standard Missile

Non Aerospace / Industrial

Volker A. Güther

GfE Metalle und Materialien GmbH

Properties, Applications and Production of Gamma Titanium Aluminides

New Emerging Markets:

Consumer Products

Bernie Wire

Wire Works Studios

Titanium Art

Eiichi Imai

Nissei Industry Co. Ltd.

All Titanium Yacht - Construction and Sailing

Jonathon A. Landell

Landell Flutes

The First Titanium Flute

Cary A. Veith

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Titanium in the One World Challenge

Non Aerospace / Industrial, Continued

Andrey V. Zelyansky

JSC "Uralredmet"

The Current State and Development Prospects of Uralredmet

James S. Grauman (Presented by Mike Kearns)

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Novel Techniques for Enhanced Corrosion Resistance of Titanium

Richard L. Rhorer

National Institute of Standards and Technology

Material Properties for Modeling a Machining Process

Ernie M. Crist

RMI Titanium Company

Applications for Titanium Alloy Ti-6Al-2Sn-2Zr-2Cr-2Mo

New Emerging Markets, Continued:

Architecture

Gary R. Nemchock

Architectural Titanium LLC

Architectural Projects Completed 2001-2002

Automotive

Kurt Faller

TiMET Automotive

Developing Automotive Titanium Applications

Edwin H. Kraft

EHK Technologies

Opportunities for Low Cost Titanium in Reduced Fuel Consumption, Improved Emissions and Enhanced Durability Heavy-Duty Vehicles

Hideto Oyama

Kobe Steel, LTD

Two New α - β Titanium Alloys, KS Ti-9 for Sheet & KSELF for Forging, with Mechanical Properties Comparable to Ti-6Al-4V