Invitation to
ALD’s 8th VIM/ESR/VAR and Powder Workshop & Conference, Japan 2018
November 6th – 10th 2018 at Nagoya Japan and Daido Steel, Chita Plant

With the headline: „Challenges for Premium Alloy Manufacturers“, we are excited to announce our next ALD VIM/ESR/VAR Workshop will now expand to include powder atomization topics, and thus we cordially invite you to our

8th VIM/ESR/VAR and Powder Workshop & Conference

to be held for the first time in Nagoya, Japan with our host partner Daido Steel Chita plant.

Most of ALD’s traditional VIM, ESR and VAR customers already make premium-melted superalloy and titanium powder, or they sell their own premium grades for conversion by the powder producers. Some customers are just entering these markets. Wherever you live on the supply chain you will find interesting and timely topics at ALD’s conference!

As in years past, our conference will focus on the practical operational aspects most interesting to ALD’s customers and suppliers, with a focus on VIM, ESR, VAR and powder atomization furnaces and supporting technologies. We encourage our attendees to share their experiences by presenting a paper. We will keep a space open for your contribution.

At the Daido Chita Plant factory tour you will see ALD’s V-ESR furnace and also Daido’s 150 ton EAF, CC-Casting and Blooming mill. Experts will be available at each station for plant explanations and questions. You will also tour another ALD customer in the area, and these further announcements are pending.

The intended program is as follows:

Tuesday 6 November 2018 Arrival, registration at Hotel Meitetsu Inn Nagoya Eki Mae and reception
Wednesday 7 November 2018 Conference with papers at JP Tower Nagoya
Thursday 8 November 2018 VIP-Tour at Daido Chita Plant, Nagoya and more papers
Friday 9 November 2018 Plant tour and cultural program
Saturday 10 November 2018 Meeting adjourns, check-out and departures

Please distribute this information to your colleagues.

Kind regards

Ulrich Biebricher Andreas Eich Dr. Christian Lehner
Vice President Product Manager Senior Product Manager
Melting & Remelting Melting Furnaces Powder, Solar & Special Systems
Friday, November 9th, 2018 – Optional Day

07:30 – 08:45 am Breakfast Buffet, Meitetsu Inn Nagoya Ekimae, Nagoya

08:45 – 12:30 pm Tentative Plant Tour
Train Ride by Shinkansen Nagoya to Himeji
(Please plan 18460,00 Yen for Round Trip)

12:30 – 02:00 pm Lunch – Location tbd.

02:00 – 06:00 pm Himeji Castle Tour
Cultural Programme

09:00 pm Train Ride by Shinkansen Himeji to Nagoya

Saturday, November 10th, 2018

07:30 – 09:00 am Breakfast Buffet, Meitetsu Inn Nagoya Ekimae, Nagoya

09:00 – 10:00 am Meeting Adjourns and Check-out

Wednesday
Morning Moderation: Peter Lang, Managing Director ALD Far East
Afternoon moderation: Ulrich Biebricher, Vice President Melting and Remelting

Thursday
Morning Moderation: Peter Lang, Managing Director ALD Far East
Afternoon Moderation: Christian Lehnert, Senior Product Manager Powder, Solar & Special Systems

Friday
Moderation: Peter Lang, Managing Director ALD Far East

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Shinjuku-ku, Tokyo 163-0558, Japan
Phone +81 (3) 3340 3726
E-Mail: peter.lang@ald-vt.de
Tuesday, November 6th, 2018
06:00 – 09:00 pm
Check-in and Registration at Meitetsu Inn Nagoya Ekimae, Nagoya*
Welcome Reception with Dinner
Location tbd.

Wednesday, November 7th, 2018
07:30 – 08:30 am
Breakfast Buffet
Meitetsu Inn Nagoya Ekimae, Nagoya

08:30 am
Conference at JP Tower Nagoya Hall & Conference Facility**

09:00 – 09:25 am
Welcome / Opening Remarks
Markus Holz, CEO
ALD Vacuum Technologies GmbH

09:25 – 09:50 am
Keynote: Advanced Materials, Processes and Simulation Methods for Competitive Aero Engines
Joerg Esslinger, Dir. Materials Engineering (TEW)
MTU-Aero Engines, Munich, Germany

09:50 – 10:15 am
Keynote: World Trends and Needs on Material Development for Aero-craft Engines
Mitsuhiro Takekawa, Katsuyoshi Ishii
IHI, Japan

10:15 – 10:40 am
Keynote: Title tbd.
Lorem ipsum dolor sit amet consectetur
N. N.

10:40 – 11:05 am
Coffee Break

11:05 – 11:30 am
VIM-Melting: Homogenization and Casting Management
Henrik Franz, Head of R&D
ALD Vacuum Technologies GmbH

11:30 – 11:55 am
Material of VIM (Title to be modified)
Tsukida Naoya, Nachi Fujikoshi
Japan

11:55 – 12:20 pm
Prediction of Frettle Defects in VAR Ingots
Daido Chita – N. N.

01:45 – 02:10 pm
Numerical Simulation of the Ingot Growth during the Vacuum Arc Remelting (VAR) Process
Sergejs Spitans, R&D Process Eng. & Simulation
ALD Vacuum Technologies GmbH

02:10 – 02:35 pm
Advanced Alloy Powders and Materials Aspects in Additive Manufacturing
Eugene Ivanov, CTO
Tosoh SMD Inc., USA

02:35 – 03:00 pm
Tools for Optimization of Gas Atomization Processes
Henrik Franz, Sergejs Spitans, Christian Lehner
ALD Vacuum Technologies GmbH

03:00 – 03:30 pm
Coffee Break

03:30 – 03:55 pm
From a Nice to a Mass Production Approach
Alain Honnart, CEO
Metomal, France

04:20 – 04:45 pm
Electroslag Melting – an effective Method for Refining of Superalloys
Dmitrij Karjagin, Chief Metallurgist
CMK Stupino, Russia

04:45 – 05:05 pm
Measurement of the Spatio-Temporal Distribution of Arcs during Vacuum Arc Remelting and their Implications on VAR Process Control
Paul King, President
Ampere Scientific, USA

05:05 – 05:25 pm
Product Trends in Vacuum Pump Systems for VIM / VAR / ESR & Powder Metallurgy
Uwe Zoellig, Global Business Development Manager Industrial Vacuum
Leybold, Cologne, Germany

05:25 – 05:45 pm
State of the Art Solutions for Cutting, Grinding and Deburring of Large-Scale Steel and Special Alloy Products
Gerhard Richter, VP Steel Cutting & Grinding Machines Div.
Braun Maschinenfabrik, Austria

05:45 – 06:05 pm
Consequences of Damp Refractory in the VIM Furnace, Methods of Controlling and Measuring the Proper Dry Off of Moisture
Manfred Hopf, President
Saveway, Germany and Japan

06:05 – 06:15 pm
Closing Remarks
N. N.
ALD Vacuum Technologies GmbH

06:15 – 10:30 pm
Time for Exchange
JP Tower Nagoya Hall & Conference Room

12:20 – 01:45 pm
Lunch Break

07:30 – 08:45 am
Breakfast Buffet
Meitetsu Inn Nagoya Ekimae, Nagoya

09:00 – 10:00 am
Pick up at Hotel by Coach for Transfer to Daido Chita Plant, Aichi, Nagoya

10:00 – 10:45 am
Introduction of Vacuum Electro Slag Remelting installed in Daido Shibukawa Plant
N. N.

12:45 – 02:15 pm
Lunch at Daido Guesthouse

02:15 – 02:40 pm
Title tbd.
Prof. A. Chiba
Tohoku University, Japan

04:25 – 05:05 pm
State of the Art Solutions for Cutting, Grinding and Deburring of Large-Scale Steel and Special Alloy Products
Gerhard Richter, VP Steel Cutting & Grinding Machines Div.
Braun Maschinenfabrik, Austria

05:45 – 06:05 pm
Consequences of Damp Refractory in the VIM Furnace, Methods of Controlling and Measuring the Proper Dry Off of Moisture
Manfred Hopf, President
Saveway, Germany and Japan

06:05 – 06:15 pm
Closing Remarks
N. N.
ALD Vacuum Technologies GmbH

06:15 – 10:30 pm
Official End of Conference Day and Dinner
Location tbd.

Thursday, November 8th, 2018
07:30 – 08:45 am
Breakfast Buffet
Meitetsu Inn Nagoya Ekimae, Nagoya

09:00 – 10:00 am
Pick up at Hotel by Coach for Transfer to Daido Chita Plant, Aichi, Nagoya

10:00 – 10:45 am
Daido Chita Plant, Aichi, Nagoya
Introdution of Vacuum Electro Slag Remelting installed in Daido Shibukawa Plant
N. N.

12:45 – 02:15 pm
Lunch at Daido Guesthouse

02:15 – 02:40 pm
Title tbd.
Prof. A. Chiba
Tohoku University, Japan

* Hotel Meitetsu Inn Nagoya Ekimae, 2 Chome-21-12 Meieki, Nishi-ku, Nagoya, Aichi Prefecture, 451-0045, Japan

** JP Tower Nagoya Hall & Conference Facility, Japan, 1-1-1 Meieki, Nakamura-ku, Aichi-ken, Nagoya, 450-6321, Japan
ALD Vacuum Technologies GmbH, Hanau
8th VIM/ESR/VAR and Powder Workshop & Conference, Japan 2018
November 6th – 10th 2018

Registration Form

____________________________________________________
Surname, Given name

____________________________________________________
Title/occupation in company

____________________________________________________
Company and country

____________________________________________________
Cellular-/mobile-phone no.

____________________________________________________
E-Mail

____________________________________________________
Arrival date: Departure date:

Return form to:
Ms. Karola Scheuer
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Date:
Signature:
Stamp:

If you have questions, please do not hesitate to contact:

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Registration deadline: October 5th, 2018