

# Intermediate German-Korean Workshop on the “Production and industrial applications of semi- finished Mg products”

Jul. 13. – Jul. 15. 2015, Lüneburg, Germany

## Workshop Program & Information



**Organisers:** Dr. Dietmar Letzig (Helmholtz-Zentrum Geesthacht)  
Dr. Bong Sun You (Korea Institute of Materials Science)  
Dr. Oh Duck Kwon (POSCO)  
Dr. Sangbong Yi (Helmholtz-Zentrum Geesthacht)

## Program overview

The intermediate German-Korean Workshop Jul. 13. – Jul. 15. 2015.

	Jul. 13. (Mo)	Jul. 14. (Tu)	Jul. 15. (We)
09:00	<b>Arrival &amp; Registration</b>	<b>Presentations</b>	<b>Presentations</b>
09:30			
10:00		Break	Break
10:30			
11:00		<b>Presentations</b>	<b>Presentations</b>
11:30			
12:00	Lunch	Lunch	<b>Closing</b>
12:30			
13:00	<b>Opening</b>	Lunch	Lunch
13:30			
14:00	<b>Presentations</b>	<b>Presentations</b>	
14:30			
15:00	Break	Break	
15:30			
16:00	<b>Presentations</b>	<b>Presentations</b>	
16:30			
17:00			
		<b>Workshop Dinner</b>	



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Lecture Hall „Lagerfeld“  
 Hotel Bergström  
 Bei der Lüner Mühle, 21335 Lüneburg, Germany

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## Presentation program

### Jul. 13. (Mon), Lecture Hall Lagerfeld

Time		Speaker	Company
- 13:30	Arrival & Registration		
<b>13:30</b> - 14:00	<b>Opening</b> Wolfgang Kaysser (HZG) / Chang-Hee Yim (POSCO) / Dietmar Letzig (HZG)		
<b>14:00</b> - 14:30	High Strength Magnesium Alloys for high speed extrusion	Bong- Sun You	KIMS
<b>14:30</b> - 15:00	Potentials of the extrusion technology for magnesium profiles and sheets	Ralf Anderseck	TWI GmbH
<b>15:00</b> - 15:30	Magnesium Proceedings in commercial Aviation	Christoph Henrich	Recaro
<b>15:30</b> - 16:00	Coffee Break		
<b>16:00</b> - 16:30	Application of magnesium AZ31B-O thin walled sheet in parts with dynamic bending load	Elmar Beeh	DLR
<b>16:30</b> - 17:00	Development of Mg Car Body parts	Raehyeong Kim	Sungwoo Hitech
<b>17:00</b> - 17:30	Lightweight Design behind 2020 - Evolutionary and revolutionary paths	Martin Hillebrecht	EDAG

### Lunch and Dinner at Restaurant Marina Café

## Jul. 14. (Tue), Lecture Hall Lagerfeld

Time		Speaker	Company
09:00 - 09:30	Mg sheet technology at POSCO-Mg	Oh Duck Kwon	POSCO
09:30 - 10:00	The next steps for the development of a production technology for rolled TRC Mg strip materials	Kristina Neh	TUBAF
10:00 - 10:30	Hot and cold drawing of magnesium wire	Sören Müller	TU-Berlin
10:30 - 11:00	Coffee Break		
11:00 - 11:30	Specification & Release Processes for Magnesium Sheet Grades at OPEL	Heike Kantereit	Opel
11:30 - 12:00	Multi-stage forming process of Mg alloy sheet	Young -Sun Lee	KIMS
12:00 - 12:30	Different Methods to weld Magnesium Sheets	Michael Hibben	Stadco
12:30 - 14:00	Lunch (Marina Cafe)		
14:00 - 14:30	Current status for automotive Mg sheet Application	Min Hong Seo	POSCO
14:30 - 15:00	Application Potential of Magnesium Sheet in Automotive	David Klaumünzer/ Sangbong Yi	VW / HZG
15:00 - 15:30	Mg Auto part application in Renault	Mun Kwon	Renault Samsung
15:30 - 16:00	Coffee Break		
16:00 - 16:30	Enhanced Formability of Magnesium Sheet by Microstructure Engineering	Indranil Basu	RWTH Aachen
16:30 - 17:00	Development of Mg Partition Panel for Lightweight Automotive Body	Sang Hyeon Do	Shin Young
17:00 - 17:30	Process Development of Low Pressure Die Casting for Mg Road Wheel	Hyung Seop Yoon	Hyundai Sungwoo Automotive

## Workshop dinner at Lecture Hall Lagerfeld

**Jul. 15. (Wed), Lecture Hall Lagerfeld**

<b>Time</b>		<b>Speaker</b>	<b>Company</b>
<b>09:00</b> - 09:30	Pretreatment Systems for Magnesium Alloys	Thomas John-Schillings	Henkel
<b>09:30</b> - 10:00	Passive and active corrosion protection of multi material mix	Carsten Blawert	HZG
<b>10:00</b> - 10:30	Surface treatment for AZ31B Mg Automobile parts	Younghee Park	RIST
<b>10:30</b> - 11:00	Coffee Break		
<b>11:00</b> - 11:30	Effect of processing route on mechanical and forming behavior at room temperature of AZ31 sheets processed by ECAP	Joungsik Suh	UTG
<b>11:30</b> - 12:00	Equipment, engineering and simulation models for twin-roll casting and treatment of strips at LWK	Mykhailo Stolbchenko	Uni Paderborn
<b>12:00</b> - 12:30	MSautotech's ability to develop and Mg car door concept development	Eungcheon Kim	MS Autotech
<b>Closing remarks</b>			
<b>13:00</b>	Lunch		

**Lunch at Restaurant Marina Café**

## Further Information

The **GeKo Workshop information / registration desk will be installed at the front of the lecture hall Lagerfeld at hotel Bergström, from 13. July. 2015.**

### At the Hamburg Airport

There will be **bus transport** from Hamburg Airport to the Hotel Bergström on Sunday, July 12.: departure scheduled at 18:00 and 22:00.

The gathering point is **the arrival lounge in Terminal 2**. [Route](#)

### At the Hotel Bergström

The lunch and dinner during the workshop period, i.e. from the lunch on July 13. to the lunch on July 15., is covered by the workshop registration fee. The workshop dinner (banquet) will be set at the lecture hall Lagerfeld.

### At the train station Lüneburg

From the train station to the hotel it takes about 5 min by walk. You may follow first the sign "Altstadt" then "Hotel Berström". [Route](#)

On behalf of the organising committee of the intermediate GeKo Workshop, we wish you a safe and comfort trip to Lüneburg and fruitful stay during the GeKo workshop.

**Sangbong Yi and Dietmar Letzig**

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