

FROM LAB TO PRACTICE
Fusion Tech: Linking the Global Crowd

BeYOND VII

Industrial Forum 2016, Berlin

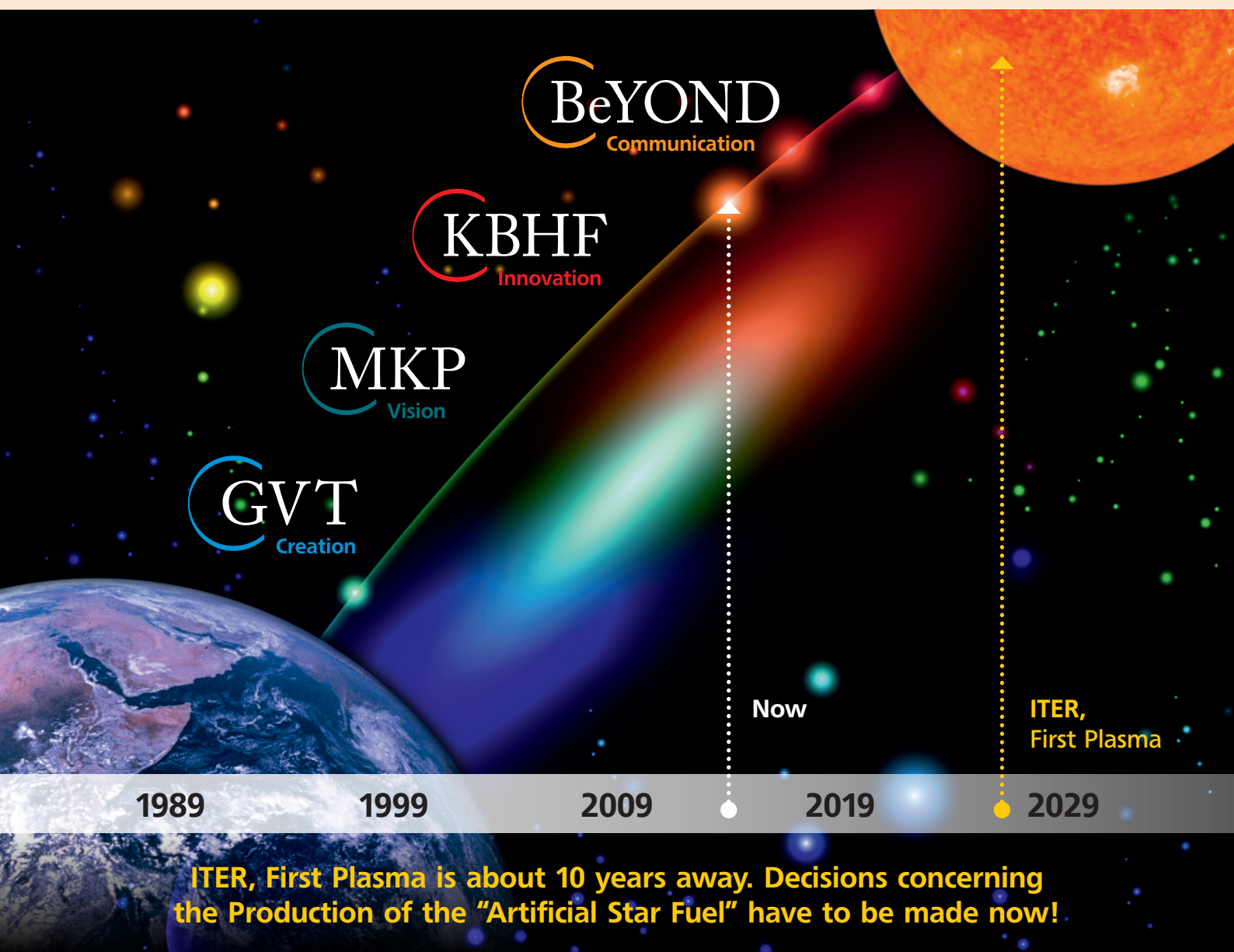
Panel Discussions & Round Tables

THE BROADER PICTURE

Day One: Thursday, 1st September,
9:00am-12:30pm; 2:00pm-5:30pm,
7:00pm BeYOND Dinner

THE ECONOMIC OPPORTUNITIES

Day Two: Friday, 2nd September
9:00am-12:30pm; 2:00pm-5:30pm



Agenda

BeYOND VII – THE BROADER PICTURE

Thursday 01. September 2016, Berlin

08.30 – 09.00

Registration

09.00 – 09.15

Welcome

09.15 – 10.45

VIP-Session, **Mankind Projects**

10.45 – 11.00

Coffee Break, **Poster**

11.00 – 12.30

VIP-Session, **FUSION**

12.30 – 14.00

Barbecue, **Experimental**

14.00 – 15.40

Session, **Blanket International**

15.40 – 16.00

Coffee Break, **Poster**

16.00 – 17.30

Round Table, **Health & Safety**

19.00 – 22.30

Workshop Dinner

BeYOND VII – THE ECONOMIC OPPORTUNITIES

Friday 02. September 2016, Berlin

09.00 – 10.40

Podium Science, **Blanket**

10.40 – 11.00

Coffee Break, **Poster**

11.00 – 12.30

Round Table, **Blanket**

12.30 – 14.00

Lunch Break

14.00 – 15.40

Podium **Science / Industry**

15.40 – 16.00

Coffee Break, **Poster**

16.00 – 17.30

Round Table, **Industry**

BeYOND VII – THE BROADER PICTURE

Thursday 01. September 2016, Berlin

09.00 – 09.15 **Welcome, BeYOND VII**

- Markus Lemmens, Christopher Dorn, Aniceto Goraieb
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09.15 – 10.45 **VIP-Session, Mankind Projects**

- **Dr. Daniela De Ridder**, SPD Bundestag, Ausschuss für Bildung, Forschung und Technikfolgenabschätzung
 - **Dr. Dr. Philipp Lengsfeld**, CDU/CSU Bundestag, Ausschuss für Bildung, Forschung und Technikfolgenabschätzung
 - **Dr. Ursula Weyrich**, FAIR – GSI Gesellschaft für Schwerionenforschung, Darmstadt
 - **Professor Robert Wolf**, MPI-Plasmaphysik, Germany
 - **Greg Waltman**, Investor Fusion Technology, New York, USA (Founder g 1 quantum)
 - **Dr. Markus Lemmens**, KBHF Liaison Office, New York, Public awareness of Fusion Technology in USA
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11.00 – 12.30 **VIP-Session, FUSION International**

- **Dr. Paul Humrickhouse**, INL, USA, Fusion focused research program at INL
 - **Dr. Mario Merola**, ITER, France, Use of Beryllium in the ITER Project
 - **Dr. Patrick Lorenzetto**, F4E, Spain, EU contribution to the procurement of the ITER Blanket First Wall
 - **Prof. Marek Rubel**, KTH, Sweden, Beryllium plasma facing components in the JET tokamak
 - **Dr. Masaru Nakamichi**, QST, Japan, Recent progress of advanced breeding functional materials
 - **Dr. Anton Stampfl**, ANSTO, Australia, Research program on Fusion (Beryllides) in Australia
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BeYOND VII – THE BROADER PICTURE

Thursday 01. September 2016, Berlin

14.00 – 15.40 **Session: Beryllium, Breeder, Blanket International**

- **Keigo Nojiri**, NGK Insulators, LTD, Japan, Yield improvement of Bp1 Pebble
- **Christopher Dorn**, MATERION, USA, Pebble Plant versus pebbles from the shotting process?
- **Dr. Petr Kurinskiy**, KIT, Germany, Production and characterization of Beryllides
- **Oliver Leys**, KIT, Germany, Production of Tritium Breeding Pebbles at KIT
- **Dr. Jan Hoffmann**, KIT, Germany, Advanced steels for Blanket Applications

16.00 – 17.30 **Podium & Round Table, Health & Safety**

- **Dr. Giovanni Piazza**, F4E, Spain, ITER Radiological and Environmental Monitoring System (REMS)
- **Dr. Kim Jae-Hwan**, QST, Japan, A new beryllium handling facility in the Rokkasho Fusion Institute
- **Angelique Renier**, NGK Berylco, France, Beryllium Metal – Environmental and health issues – Update
- **Ignacio Cobo**, LEADING, Spain, Beryllium machining workshop
- **Daniela Vigilante**, BeST, Belgium, REACH, RMOA and follow ups

Moderation: • **Dr. Markus Lemmens**, KBHF Liaison Office, New York

19.00 – 22.30 **Workshop Dinner**

BeYOND VII – THE ECONOMIC OPPORTUNITIES

Friday 02. September 2016, Berlin

09.00 – 10.40 Podium Science, **Blanket**

- **Dr. Sören Müller**, TU-Berlin, Germany, Hot extrusion of Beryllium composites, Electrodes for REM
- **Dr. Martin Köppen**, FZJ, Germany, Surface Science Studies on Beryllium & Beryllides at FZJ
- **Prof. Theo Scherer**, KIT, Germany, Possible use of Beryllium in FW applications for launcher systems
- **Prasoon Raj**, KIT, Germany, Beryllium as an emitter for self-powered neutron detector

11.00 – 12.30 Round Table, **Blanket**

14.00 – 15.40 Podium, **Linking Science & Industry**

- **Aniceto Goraieb**, KBHF GmbH, Germany, Short, middle- and long term Technology Transfer
- **Dr. Julia Stamm**, SCIENCE LEADS, Germany, International Research Cooperation and European Horizon 2020?
- **Jesús Alonso**, IK4-TEKNIKER, Spain, Technology Transfer in the IK4 Research Alliance
- **Patricia Murphy**, MATERION Brush Ltd., UK, Procurement, subcontractors

16.00 – 17.30 Round Table, **Industry (industrial support)**

- **Adrian Willoughby**, ExoTec Precision Ltd., UK, ExoTec Precision; An industrial partner for research & science
 - **Angel Cañadas**, RIGO GmbH & Co.KG, Germany, Introduction RIGO
 - **Kai-Uwe Volker**, HIP PM Volker, Germany, Introduction HIP PM
 - **Marc Knauff**, CREMER GmbH, Germany, Industrial thermoprocessing equipment
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