

AGENDA 19th Meeting - 01 December 2021 - Stuttgart

VENUE: Atelier Auer, Mercedesstr. 3, 70372 Stuttgart

09:00 Introductory remarks

(Prof. Olivier Guillon, FZ Jülich)

09:10 Introductory remarks

(Jens Huber, Dr. Fritsch GmbH)

09:30 Machine Science – Transformer technique

(Gerhard Weber, Dr. Fritsch GmbH)

09:55 Powder material: Preparation for SPS sintering

(Christian Weiss, Dr. Fritsch KG)

10:20 *Coffee break*

10:50 „Industrial production of honing tools using FAST/SPS“

(Klaus Fleckenstein, DIATO GmbH + Co. KG, Ostfildern)

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11:15 „Discrete element model of powder sintering and its extension to the SPS/FAST process”

(Jerzy Rojek, Institute of Fundamental Technological Research, Polish Academy of Sciences, Dept of Information and Computational Science, Warsaw)

11:40 „Segregation controlled densification and grain growth during FAST/SPS of Y2O3 ceramics”

(Moritz Kindelmann, Forschungszentrum Jülich GmbH)

12:05 *Lunch*

13:00 *tbc*

(Dr. Erich Neubauer, RHP-Technology GmbH, Seibersdorf, Austria)

13:25- Discussion / Conclusion

13:40 (Prof. Olivier Guillon, FZ Jülich)

14:30 *Dr. Fritsch guided company tour, visit of the Dr. Fritsch headquarters in Fellbach.*

7km (~ 15 minutes by car) away from the meeting venue (Atelier Auer). If required, Dr. Fritsch will arrange a transfer from the venue to the company and back. In this case, please inform in advance. Please note that the company tour requires prior registration and Dr. Fritsch reserves the right to deny access to its facilities on its own discretion. All visitors are required to wear suitable face masks at all times.