



# EMJM PROMISE, Summer School 2023

## 26-28 June, 2023

Monday, 26 June

Location: Aula

- 13.00 H. Flachberger: Opening address
- 13.15-13.45 C. Acuña: Current research activities at USM
- 13.45-14.15 G. Bedeković: Current research activities at UNIZG
- 14.30-17.00 **Austrian Supply Industry for Mineral Processing**  
Research, Innovation and Sustainability in Mineral Processing  
Presentations by Austrian key companies
- Binder+Co AG – presented by G. Schwandtner
- IFE Aufbereitungstechnik GmbH – presented by F. Rappersberger, Ph. Krukenfellner
- FLSmith GmbH – presented by A. Moaveni
- ALMO Engineering GmbH – presented by R. Primavesi
- 17.00 **Wrap-up** of the first day

Tuesday, 27 June

Lecture room HS Miller v. Hauenfels

### **“Mineral Processing Seminar”: Presentation of the Project Studies**

- 08.30-09.00 K. Friedrich: “ReSource”
- 09.00-10.00 A. Wicaksono, Z. Zhang, N. Mollehuara, A. Huraira: Electrodynamic Fragmentation of pre-crushed refractory bricks
- 10.00 Coffee Break**
- 10.30-11.00 B. Myezimkhan, D. Adjei: Pelletizing blended iron ore
- 11.00-11.30 O. Agho, S. Amiri: Magnetic separation of refractory sinter blends
- 11.30-12.00 E. Lkhagvadorj, A. Rashid: Angle of repose determination of bulk solid heaps via image processing



### **12.00-14.00 Lunch Break**

- 14.00-14.30 S. Oladele, X. Peña Lavado: Contour detection within bulk solids via image processing
- 14.30-15.00 M. Aparece, W. Ahmad: Experimental analysis of vibration on a Laboratory Vibrating Machine
- 15.00-15.30 N. Heydari, N. Al-Murish: Froth washing in pneumatic flotation
- 15.30-16.00 M. Ali, M. Shamsan, S. Islam: Agglomeration and application of elemental carbon from methane pyrolysis
- 16.00-16.30 R. Cubarol: Parameter study and optimization of a tumbler screen
- 16.30 **Wrap-up, followed by  
Dinner at "Arkadenhof"**

Wednesday, 28 June

SR D

### **"Entrepreneurship, Starting Up & IP"**

- 09.00-10.00 VR M. Mühlburger: „First crucial steps for successful foundation of an enterprise“
- 10.00-10.30 R. Mischitz: "ferroDECONT – My path to independence"
- 10.30-11.00 D. Schwabl, M. Bauer: "Circulyzer – A garbage start-up"

### **Lunch Break**

- 12.00-14.30 C. Acuña: Workshop & Collaboration: Innovation and patents exemplified by USM
- 14.30-15.00 VR P. Moser: Address from the Vice Rector on International Affairs
- 15.00 Conclusion of the Summer School
- 18.00 "Bierauszug": "official" closing of the summer semester

Univ.-Prof. Dr. mont. Helmut Flachberger