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Wednesday February 3rd

16.30-1800 Registration

Thursday February 4th

07.30 Registration Desk Opens

09.00 Opening Remarks
J. Wills (MEI, UK) and G. Onal (Istanbul Technical University, Turkey)

09.20 *Technical Session 1*
Chairmen: G. Onal and M.S. Çelik (Istanbul Technical University, Turkey)

09.20 **Boron and space technologies**
E. İnger (National Boron Research Institute, Turkey)

09.40 **A comparison between the performance of anionic and cationic flotation of siliceous phosphate in column cell**
S. Al-Thyabat (Al-Hussein Bin Talal University, Jordan) and R.-H. Yoon (Virginia Technical University, USA)

10.00 **Separation of apatite from Chador Malu iron ore by flotation**
N. R. Hosseiny (IUT University, Iran) and P.Pourgahramani (SUT University, Iran)

10.20 Coffee and Poster Viewing

11.20 **Economic preferences of mechanical activation over mineral beneficiation for phosphate rock direct applications**
S.S. Ibrahim, T.R. Boulos (CMRDI, Egypt) and A.A. El-Midany (Cairo University, Egypt)

11.40 **Parameters affecting gravity separation of chromite sands from different ore types**
G. Grieco, M. Pedrotti and A. Merlini and M. Moroni (Università degli Studi di Milano, Italy)

12.00 **Amenability of separating fossil resins out of Egyptian coal by gravity techniques**
S.I. Mostafa, R.A. Mohamed, S.S. Ibrahim, and A.A. El-Midany (CMRDI, Egypt)

12.20 **Gasification of Turkish lignite via plasma**
B. İbrahimoğlu (Gazi University, Turkey), M. Özdingiş and O. Demirel (Turkish Coal Works Research Bureau, Turkey)

12.40 Lunch

14.00 *Technical Session 2*
Chairman: M. Thornhill (Norwegian University of Science and Technology, Norway) and G. Grieco (Università degli Studi di Milano, Italy)

14.00 **A novel method for fine coal dewatering**
S. Keles, G.H. Luttrell, R.-H. Yoon, (Virginia Tech, USA) and W. Schultz (Decanter Machine Inc., USA)

14.20 **The AKA-VORTEX 75 hydrocyclone – from computer simulation to application-optimised use in industrial kaolin processing**

V. Golyk, P. Kaniut (AKW Apparate + Verfahren GmbH, Germany) and S. Huber (Amberger Kaolinwerke GmbH Eduard Kick GmbH & Co. KG, Germany)

14.40 **Higher kaolin recovery with a water injection cyclone**

V. Golyk (AKW Apparate + Verfahren GmbH, Germany), S. Huber (Amberger Kaolinwerke GmbH Eduard Kick GmbH & Co. KG, Germany) and M.G. Farghaly et al (Erlangen University, Germany)

15.00 **Adsorption mechanism of anionic polyelectrolytes onto kaolin**

M.S. Eygi and G. Ateşok (Istanbul Technical University, Turkey)

15.20 **Application of ultrasonic extinction for simultaneous on-line particle size distribution and solid concentration analysis on highly concentrated mineral slurries**

C. Behrens, A. Pankewitz (Sympatec GmbH, Germany) and A. Smith (Sympatec GmbH, UK)

15.40 **Effect of quantity and size distribution of calcite filler on the quality of water borne paints**

F. Karakaş and M.S. Çelik (Istanbul Technical University, Turkey)

16.00 Coffee

Friday February 5th

- 09.00 *Technical Session 3*
Chairmen: S.S. Ibrahim (CMRDI, Egypt) and V. Golyk (AKW Apparate + Verfahren GmbH, Germany)
- 09.00 **Mica processing waste treatment and fine mica reclamation**
A. Bahrami (Urmia University, Iran) and M.R. Hosseini (Shahid Bahonar University, Iran)
- 09.20 **The combination of scrubbing and magnetic separation for iron removal from silica used in glass industry**
H. Haghi, M. Noaparast and A. Ghorbani (University of Tehran, Iran)
- 09.40 **Fully automated optical grading of large stones at Nordkalk Corporation**
J. Haarla Jr (Haarla Oy, Finland)
- 10.00 **Potential application of waterjet technology in mineral processing**
R. Ciccu (University of Cagliari Italy) and I. Kursun (Istanbul University, Turkey)
- 10.20 **New concepts for lithium minerals processing**
R. Haus and F. Brandt (Dorfner ANZAPLAN, Germany)
- 10.40 **Processing of dunite – meeting the quality requirements of a new range of applications**
R.A. Kleiv and M. Thornhill (Norwegian University of Science and Technology, Norway)
- 11.00 Coffee
- 11.40 **Concentration of huntite by attrition and classification**
O. Kökiliç, F. Burat, A. Güney and O. Kangal (Istanbul Technical University, Turkey)
- 12.00 **Recovery of boron from borax sludge of boron industry**
M. Özdemir and İ. Kıpçak (Eskişehir Osmangazi University, Turkey)
- 12.20 **Upgrading of mixed bentonites by hydrocycloning and activation of the concentrated products**
F. Boylu, M.S. Çelik (Istanbul Technical University, Turkey) and K. Çinku (University of Istanbul, Turkey)
- 12.40 **Preliminary results of magnetic separation tests on a braunite-rich Mn ore, Eskisehir, Turkey**
G. Grieco and M. Pedrotti (Università degli Studi di Milano, Italy)
- 13.00 **A comparative approach to the separation of silica from barite ore by anionic and cationic flotation**
M.R. Bolurforush, H. Asadian and A. Amirarjmand (Academic Center for Education, Culture and Research, Iran)
- 13.20 **Desiccant clay production from Turkish calcium bentonites**
G. Bulut et al (Istanbul Technical University, Turkey)
- 13.40 Lunch

Poster Presentations

Preparation and characterization of composite with styrene butyl acrylate copolymer and colemanite

O. Güven and M.S. Çelik (Istanbul Technical University, Turkey)

Particle size and shape characteristics of quartz sands

İ. Kursun (Istanbul University, Turkey)

Optimizing of shell lime grinding circuit in Gonbad Kavos deposit

A. Bahrami (Urmia University, Iran), M.R. Hosseini and N.Mansori (Iranian Institute of Mineral Research & Application, Iran)

Feldspar concentrates from albite granites

M. Marinov, A. Valchev (KAOLIN AD, Bulgaria), I. Nishkov and I. Grigorova (University of Mining and Geology "St.Ivan Rilski", Bulgaria)

Natural and modified zeolite to improve the adsorption of heavy metals from aqueous solutions

N. Popov, T. Popova (Mineralagro Z Ltd., Bulgaria), I. Nishkov, I. Grigorova (University of Mining and Geology "St. Ivan Rilski", Bulgaria), J. Rubio and S. Taffarel (University of Rio Grande do Sul, Brazil)

Studies on gasification of Turkish lignite via underground coal gasification

Ş. Yürek and K. Het (Turkish Coal Works Research Bureau, Turkey)

Comparison of different 2D image analysis measurement techniques for the talc particles shape produced by different media milling

U. Ulusoy (Cumhuriyet University, Turkey) and İ. Kursun (Istanbul University, Turkey)

Use of different image analysis size definitions to compare sieve size for narrowly sieved quartz particles

A. Taşdemir, H. Özdağ (Eskişehir Osmangazi University, Turkey) and G. Önal (Istanbul Technical University, Turkey)