

Society for Mining, Metallurgy & Exploration Inc.

Mineral & Metallurgical Processing Division
SME Annual Conference & Expo
Hyatt Regency at Colorado Convention Center, Denver, CO
Centennial A
Sunday, February 24, 2019
9:00 am – 12:00 pm

Meeting Minutes
February 24, 2019

Opening:

The regular meeting of the Mineral & Metallurgical Processing Division of SME was called to order at 9:00 am on February 24, 2019, in Denver CO by Erik Spiller.

Present:

Erik Spiller, Chair – Present
Michael Moats, Past Chair – Present
Jim Metsa, Associate Chair – Present
Scott Shuey, First Vice Chair – Present
Amy Jacobsen, Second Vice Chair – Absent w/regrets
Garland Davis, Secretary-Treasurer – Present
Ronel Kappes, Technical Program Associate – Present
David Meadows, Membership Associate – Present
Jaeheon Lee – Technical Advisor (nonvoting) and Incoming MPD ExCom – Present
Nick Gow – MPD Outstanding Young Engineer (nonvoting) – Present
Aaron Noble – MPD Outstanding Young Engineer (nonvoting) – Present
Nestor Santa – MPD Klimpel Scholarship winner (nonvoting) – Absent w/regrets
Chee Theng, SME Liaison – Present

Guests:

John Uhrie – Incoming Technical Advisor
Qingqing Huang – Incoming MPD Outstanding Young Engineer
Hamid Akbari – MPD Representative, SME Research Committee
Lei Pan – MPD Scholarship Committee Member and MPD Representative, SME
Accreditation & Curricular Affairs Committee
Mohammad Rezaee – MPD Taggart Award Committee Member and MPD
Representative, SME Information Publishing Committee and Student Member Affairs
Committee

Jayson Ripke – Past MPD Chair, SME Structure & Governance Committee Member, MME Journal Associate Editor and MPD Representative, SME Information Publishing Committee

Jordan Rutledge – SME Young Leader, MPD Representative

Behzad Vaziri Hassan – SME Young Leader, MPD Representative

Naci Duru – SME Young Leader, Member

Jim Wickens – No. NV MPD

Tom Rauch – No. NV MPD

Barb Arnold – SME 2018 President

Hugh Miller –SME 2019 President

David Kanagy – SME Executive Director

A. Welcome and Introductions

B. Safety Share

Look out for light-rail train passing by Hyatt and icy conditions of sidewalks.

B. Approval of Minutes

The minutes of the previous meetings – 2018 SME ACE Minneapolis and 2018 SME Midyear Meeting Pittsburgh – were unanimously approved as distributed.

C. Open Issues

1) Programming

- a) 2019 Program - SME Annual Conference & Expo Denver, CO accepted as presented in agenda packet
 - i. Plenary Session
 - ii. Technical Sessions – DWF Symposium
 - iii. MPD Student Poster Contest
 - iv. MPD Scotch Nightcap
 - v. MPD Luncheon

- b) 2020 Program – SME Annual Conference & Expo, Phoenix Convention Center, Phoenix, AZ, February 23–26, 2020
 - i. Special Sessions/Symposia/Short Courses – Discussion regarding special session with theme of “Managing Gangue Minerals,” requiring submittal of preprint. Speakers may be invited to write extended papers for a special issue of the Mining, Metallurgy & Exploration journal.

- ii. MPD Scotch Nightcap – D. Meadow as incoming Secretary/Treasurer assumes responsibility for planning – G. Davis to hand over spreadsheet. Meadows states Bass Metals will desire to play again in Phoenix.

2) Financial Review

a) 2019 Social Functions and Fundraisers

- i. Recognition of efforts by SME Staff – Specifically Emma Salditt and C. Theng for increasing funding through finding corporate sponsors for MPD events.
- ii. MPD Scotch Nightcap (\$27,000 total)
 - o Executive sponsor (\$6,000): Weir Minerals
 - o Title sponsors (2 x \$6,000): ThyssenKrupp, Outotec
 - o Supporting sponsors (3 x \$3,000): FLSmidth, Moly-Cop USA, Polydeck
- iii. MPD Luncheon (\$20,500 total)
 - o Title sponsors (3 x \$5,000): M3 Engineering, Solvay, Civil & Environmental Consultants
 - o Supporting sponsors (2 x \$2,000): Moly-Cop USA, Praxair
 - o Supporting sponsor (\$1,500): ThyssenKrupp (Note: This is a once-off. Holger sent double payment for the MPD calendar, so Emma suggested channeling the second \$1,500 to the lunch instead of returning it.)
- iv. MPD Calendar (\$21,000) – All of last year’s sponsors re-upped.
 - o Sponsors (12 x \$1,500, plus 2 x \$1,500 for covers):

<ul style="list-style-type: none">- BASF- Derrick Corporation- FLSmidth (plus front cover)- Kappes, Cassidy & Associates- Moly-Cop USA- Outotec- Solvay	<ul style="list-style-type: none">- Terra Nova Technologies- ThyssenKrupp Industrial Solutions- Weir Minerals- WesTech Engineering (plus back cover)- Woodgrove Technologies
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 - o S. Shuey has supplied G. Davis with contact info for sponsors for 2020 MPD Calendar.

- b) MPD financial review approved as published with notation that awards funding for the MPD Outstanding Young Engineer and Taggart Awards may require replenishment of funds from MPD General Fund.

3) Awards

- a) Antoine M. Gaudin Award – Not awarded this year

- i. Discussion regarding committee accountability and review of comments from Raj Rajamani regarding award guidelines for differentiating Academic from Industry nominees.
 - ii. MPD ExCom to review comments and provide guidance to 2019 Gaudin award committee
 - iii. MPD ExCom recommend additional award category not be created.
- b) Robert H. Richards Award – Jaime E. Sepúlveda
- c) Milton E. Wadsworth Award – Kathryn C. Sole
- d) Arthur F. Taggart Award – Hamid-Reza Manouchehri
- e) MPD Outstanding Young Engineer Award – Qingqing Huang
- f) Mill Gentleman of Distinction – Erik Spiller
- g) Frank F. Aplan Award (shared with Coal Division and TMS) – Jaisen N. Kohmuench
- h) James Douglas Gold Medal Award (shared with TMS) – Jiann-Yang (Jim) Hwang
 - i. MPD ExCom motion and approval to change Douglas award Guidelines and Procedures
 - Remove statement from nomination procedure: *“provided on the award nomination form which may be downloaded....”*
 - Amend administration to read: *“(SME even conferred years; TMS Odd conferred years)”*
- i) Recognition and Appreciation of Exceptional Service Award – S. Komar Kawatra

4) Scholarships

- a) Feedback from Emily Sarver, 2018-2019 Chair of MPD Scholarship Committee, summary of 4 points:
 - i. Applicant pool small – specifically, undergraduates
 - ii. Applicants from international schools not ABET accredited
 - iii. Only 2 qualifying applicants for Rong Yu Wan PhD Dissertation Award
 - iv. Recommend change to applicant form to include academic year (Soph, Jr, Sr, MS, PhD)
 - Discussion followed identifying issues:
 - Poor response from students
 - Students unaware of scholarship & how notified / advertised
 - Students not qualified for MPD scholarship
- b) Klimpel and MPD Scholarships (\$17,000):

- Richard Klimpel Memorial Scholarship to the outstanding graduating senior: \$5,000, Velasquez, Jose Raul (Universidad Nacional De Colombia)
- Outstanding junior award: \$2,400, Ausherman, Daniel (West Virginia University)
- Outstanding graduate student award: \$2,400, Young, Jamie (Missouri University of Science and Technology)
- Four undergraduate student scholarships: \$1,200 each
 - Solorio, Hector (University of Nevada, Reno)
 - Sismour, Jackson (Virginia Tech)
 - Campbell, Trey (University of Utah)
 - Lewis, Selena (West Virginia University)
- Two graduate student scholarships: \$1,200 each
 - Patel, Himeshkumar Ashokbhai (University of Nevada, Reno)
 - Liu, Fangyu (Colorado School of Mines)
- Rong Yu Wan Ph.D. Dissertation Award, \$1,000:
 - Seyed Hassan Amini, Virginia Tech, “Optimization of mineral processing circuit design under uncertainty,” to present in “MPD Plant Design II” technical session

5) MPD Committees

- a) Nominating Committee – MPD ExCom Officers, 7:00 am Mon 2/24
- b) Unit Committees - S. Shuey presiding with J. Lee assisting, 2:00 pm Sun 2/23, stressing need quality not quantity, SME desired opportunity to reduce number of sessions. R. Kappes discussed opportunity to have special / combined unit session
- c) Membership Committee – Amy Jacobson is resigning from MPD ExCom effective 2/27/2019

6) Other Conferences

- a) M. Moats transferring responsibility of tracking other conferences to J. Lee.
- b) Extraction 2018 and future: Very successful. Meeting to discuss future of the conference series will be held during TMS Annual Meeting in March.
- c) Copper 2022 and 2025: Held every three years. Copper 2019 is in Vancouver, Canada, hosted by MetSoc-CIM. Chile to in host in 2022. SME and TMS to jointly host 2025, with Phoenix recommended as location. J.Uhrie offered to take lead representing MPD/SME.
- d) Hydrometallurgy 2023: Held every five years. Next will be 2023, hosted by SME. Nick Gow and J. Lee to take lead for MPD/SME.

- e) IMPC 2024: SME won bid to host in the United States – Location is Washington DC in the fall – J. Marsden to be Chair of the Organizing Committee, with M. Moats and R. Kappes as co-organizers.
- f) World Gold 2025: MPD Excom officially approved going forward. Held every two years. SME and China Gold Association to join CIM, AusIMM and SAIMM: CGA to host 2023, SME to host 2025.
- g) Nevada MPD Conference – Oct 4-5, 2019 – J. Wickens – First Annual Meeting, established MPD Subsection under No. Nevada local section. Focus on gold processing.
- h) Intermountain Minerals Conference – G. Davis – Utah local section established a committee to explore regional conference starting 2020. Serving all disciplines and mineral production within the Intermountain region, including CO, WY, UT, MT, ID and NV.

D. New Business

- 1) Introduction of SME 2018 President Barb Arnold, 2019 President Hugh Miller, and SME Executive Director David Kanagy
 - a) 2018 Initiatives – B. Arnold
 - Innovation
 - Excellence in Professionalism
 - Members First
 - Robert Murray Innovation Award
 - b) 2019 Objectives – H. Miller
 - Strategic Plan Initiatives – Consolidated
 - Create Value for Members

E. Agenda for Next Meeting

- 1) Executive Committee roles and assignments
- 2) Review of 2019 SME ACE and Programming
- 3) Professional Engineers Examination Committee report – Tom Seal

F. Adjournment:

Meeting was adjourned at 11:00 AM by E. Spiller.

The next general meeting will follow the MPD Lunch and Business Meeting at 2:00 pm on Wed February 27, 2019 in Room 206 of the Colorado Convention Center.

Minutes submitted by:	Garland Davis
Approved by:	Erik Spiller