Mining Engineering Weekly Seminar

Wednesday, September 2, 2020 at 4:00 p.m.
Zoom link: https://mines.zoom.us/j/96268785688

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Mining Engineering Department Head – Vision, Goals and Path Forward

Abstract:
The global demand for mineral resources over the next 10-20 years will create an unprecedented opportunity for mining engineers and mineral resource professionals to make a positive impact on society. The global forces include: 1) population increase & demand for a higher quality of life, 2) climate change / global warming / carbon footprints minimization, 3) energy transition & sustainability, 4) leveraging the power of data, and 5) globalization / localization.

There are major implications of these forces that will require our graduates to be ever more innovative, integrative, and versatile. These include: 1) increased demand for mineral resources, 2) extracted from the earth without negative impact, 3) expectations that the positive impact will be more broadly shared, and 4) mining will become ever more important and complex.

Traditional mining engineering education isn’t prepared for these changes, and Mines has a responsibility to be an innovation leader in mining education, research and outreach. This provides an outstanding opportunity for us to enhance our reputation as the number one mining school in the world.

Bio:
Dr. Enders has worked in the mining business since earning a BSc in geological engineering from Mines in 1976. Later in his career, he earned MSc and PhD degrees from the University of Arizona. Steve ultimately went on to become the President of Phelps Dodge Exploration Corporation, and then Senior Vice President of Worldwide Exploration for Newmont. He has more recently been the Chairman, Director and COO of EMX Royalty Corporation, and he is a co-founder of Cupric Canyon Capital LLC.

Dr. Enders has been at Mines since 2009 as a Research Professor in Mining Engineering, Department Head for Geology and Geological Engineering, and the Director of Subsurface Frontiers before coming back as our new Department Head. Steve is a Mines Distinguished Achievement Medalist and has just been elected to the Board of Governors for the CSM Foundation.