# APCOM 2023

## Intelligent Mining: Innovation, Vision, and Value

Rapid City, South Dakota, USA
25-28 June 2023

ISBN: 978-1-7138-9353-0

**Printed from e-media with permission by:**

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571

**Some format issues inherent in the e-media version may also appear in this print version.**



Society for Mining, Metallurgy and Exploration Inc.
12999 East Adam Aircraft Circle
Englewood, CO 80112-4167

Phone: (303) 948-4200
Fax: (303) 973-3845

cs@smenet.org

**Additional copies of this publication are available from:**

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

# Contents

## Geostatistics



## Mine Economics

## Mine Processing and Extraction



## Mine Safety



## Risk and Uncertainty

## Simulation



## Surface Mine Planning

## Tailings & Waste Mangement

## Underground Mine Planning