



SEG
www.segweb.org



A Global Perspective of Sediment-Hosted Zn-Pb and Cu Deposits from Genesis to Exploration

Presenters:

DAVID LEACH, MURRAY HITZMAN, YUCAI SONG



Ore Deposits of Asia: China and Beyond
Pre-Conference Workshop: September 16–17, 2017
China University of Geosciences, Beijing (CUGB)

Day 1: David Leach

8:00-8:15: Introduction

8:15 – 10:30: Comparison of Mississippi Valley-Type (MVT) and Clastic Dominated (CD) Pb-Zn ± Ag Deposits

10:30 – 11:00: Coffee break

11:00 – 12:00: Examples of Important MVT Attributes

12:00 – 13:30: Lunch break

13:30 – 14:30: Evaporites and Sediment-Hosted Zn-Pb-Ag Deposits: An Evolving Perspective

14:30-15:00: Deformation of sulfides and its consequences

15:00 – 15:30: Coffee break

15:30- 17:00: CD deposits: Overview of classic giants

17:00 – 17:30: Exploration: Open Discussion

Day 2: Yucai Song, Murray Hitzman and David Leach

8:00 – 10:30: Overview of Sediment-hosted Zn-Pb deposits in China

Tectonic blocks and deposit styles

Overview of Evaporites and MVT deposits in China

Diapiric (Jinding, Tianbaoshan and Daliangzi)

Huize style: former hydrocarbon reservoir in evaporitic carbonate platform

Changba Belt Metaevaporites

Mayuan style

Other styles

10:30 – 11:00: Coffee break

11:00 – 12:00: Other Deposit styles:

Huoshaoyun

Urogen sandstone

CRD: Fankou, other CRD

12:00 – 13:30: Lunch break

13:30 – 14:15: Murray Hitzman: The Sedimentary Rock-hosted Stratiform Copper Ore System

14:15 – 15:00: Murray Hitzman: Red Bed-type Sedimentary Rock-hosted Stratiform Copper Deposits of the Chu-Sarysu Basin, Kazakhstan

15:00 – 15:30 Coffee break

15:30- 16:15: Murray Hitzman: Kupferschiefer (Central Europe) Sedimentary Rock-hosted Stratiform Copper District

16:15- 17:30: Murray Hitzman: The Central African Copperbelt

17:30 – 18:00 Yucai Song: Sediment-hosted copper deposits in China

17:30 – 18:00: Exploration: Open Discussion