

## PRESENTERS

Stuart Bull, Senior Research Fellow at CODES, specialising in Proterozoic Zn-Pb basins.

Zhoashan Chang, Visiting Research Fellow at CODES, and specialist in granites and granite-related mineralisation.

David Cooke, Associate Professor at CODES, with expertise in porphyry-epithermal and sediment-hosted base metal deposits.

Garry Davidson, Senior Lecturer at the University of Tasmania, specialising in oxide Cu-Au and BHT systems.

Bruce Gemmell, Associate Professor in Economic Geology at CODES, specialising in modern and ancient VHMS and epithermal deposits.

Anthony Harris, Research Fellow at CODES, with expertise in magmatic ore systems and melt inclusions.

Murray Hitzman, Thayer Lindsley Professor at Colorado School of Mines, and internationally recognised expert on sedimentary Cu, Fe-oxide Cu-Au and Irish-style Zn deposits.

Julie Hunt, Research Fellow at CODES, and specialist in Fe-oxide Cu deposits and breccias.

Ross Large, Director of CODES, internationally recognised for research on VHMS and sediment-hosted sulfide deposits.

Peter McGoldrick, Senior Research Fellow at CODES, studying Proterozoic stratiform base-metal deposits.

David Selley, Research Fellow at CODES, and specialises in structural geology and basin analysis.

Steve Walters, Associate Professor at CODES, is an experienced industry geologist, world-renowned for his study and exploration of BHT Cu-Pb-Ag ores.

Noel White is an industry consultant with expertise in epithermal Au and porphyry-Cu deposits.

**plus other invited speakers**

## NATIONAL MASTER OF ECONOMIC GEOLOGY

THE MOST COMPREHENSIVE MASTERS  
IN MINERAL EXPLORATION AND MINING GEOLOGY  
ANYWHERE IN THE WORLD

This coursework Masters program is for geoscientists who want to gain a thorough up-date on advances across the spectrum of economic geology applied to mineral exploration. The course is offered jointly between CODES, the University of Western Australia, James Cook University, Monash University (VIEPS) and CRC LEME (University of Canberra).

Course structure: The Masters course can be completed in either of two ways:

Option 1 requires the completion of six units of coursework and a minor research thesis. Four of the units must be completed at CODES, the remainder are completed at other participating universities. Duration 18-24 months full time; up to 30 months part time.

Option 2 requires the completion of eight units of coursework, at least four of which must be undertaken at CODES. Duration 12-18 months full time; up to 30 months part time.

Course content: Each of the participating universities will offer up to five courses in rotation over a two-year period. Each course is of two weeks' duration.

Courses offered by CODES are:

- Volcanology and Mineralisation in Volcanic Terrains
- Ore Deposit Models and Exploration Strategies
- Ore Deposit Geochemistry, Hydrology and Geochronology
- Ore Deposits of South America (Chile and Peru)
- Target Generation for Brownfields Exploration

Fees: Masters students' course fees are \$2000 per unit, and for international students \$17,800 pa. There are some additional costs associated with field-based courses.

Entry qualifications: BSc (Hons) or BSc with at least two years' industry experience.

For further information contact

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The National Masters Program is funded by the Minerals Council of Australia and the host institutions (UTAS, JCU, UWA)



a short course on

# Ore Deposit Models and Exploration Strategies

**12–24 November 2006**

www.codes.utas.edu.au

## Featuring

- *sediment-hosted Zn*
- *Broken Hill type*
- *Fe-oxide Cu-Au*
- *porphyry Cu-Mo-Au*
- *orogenic gold*
- *sediment-hosted Au*
- *epithermal Au-Ag*
- *VHMS*
- *magmatic Ni*

ARC Centre of Excellence in Ore Deposits  
at the University of Tasmania

# ORE DEPOSIT MODELS AND EXPLORATION STRATEGIES

Ore Deposit Models and Exploration Strategies is an up-to-date synopsis of ore-deposit types and their characteristics. Important features which relate to their genesis and exploration will be discussed and exploration models will be presented for each style. Deposit styles covered include VHMS, Broken Hill type, Proterozoic Cu-Au, porphyry Cu-Mo-Au, orogenic gold, sediment hosted massive sulfides, epithermal Au-Ag, sedimentary Zn and Cu, and magmatic Ni. Course Leaders are Australian and international experts on each deposit style.

The course is designed to be flexible, and can be taken by the day or days, by the week, or in its entirety.

Ore Deposit Models and Exploration Strategies is offered as part of the National Masters Program in Mineral Exploration and Mining Geology.

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## CONTACT

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Website: [www.codes.utas.edu.au](http://www.codes.utas.edu.au)

## PROGRAM

### Week 1: 12-17 November

#### DAYS 1-3

- **ORES IN SEDIMENTS WORKSHOP** – for details see separate brochure, and **register at** <[www.codes.utas.edu.au](http://www.codes.utas.edu.au)>

#### DAY 4

Volcanic-hosted massive sulfide deposits (Ross Large, Bruce Gemmell)

#### DAY 5

Sediment-hosted Zn-Pb-Ag deposits: Peter McGoldrick, Stuart Bull, Ross Large

#### DAY 6

Broken Hill-type deposits (Steve Walters, Garry Davidson, Ross Large)

### Week 2: 20-24 November

#### DAY 7

Fe-oxide Cu-Au deposits (Garry Davidson, Murray Hitzman, Julie Hunt)

#### DAY 8

Orogenic Au deposits (Frank Bierlein and Tim Baker)

#### DAY 9

Magmatic Ni-sulfides (Steve Barnes)

#### DAY 10

Porphyry and skarn deposits (Noel White, David Cooke, Anthony Harris, Zhaoshan Chang)

#### DAY 11

Epithermal Au deposits (Noel White, Bruce Gemmell, David Cooke)

## COST

### Days 1-3: Ores in Sediments Workshop

early bird registration	\$1350*	(students \$800)**
after 1 October 2006	\$1500	(students \$1000)

#### REGISTRATION AND PAYMENT MUST BE MADE VIA CODES WEBSITE

### Days 4-11: Ore Deposit Models and Exploration Strategies shortcourse

Days 4-11 inclusive	\$3000
Individual days	\$400 per day

#### REGISTRATION AND PAYMENT MUST BE MADE VIA THIS BROCHURE

\* all costs inclusive of GST

\*\* enrolled National Masters Program students must complete this form for administration purposes only — the workshop and short course costs are included in your University student fees

## REGISTRATION – days 4-11 only

Ore Deposit Models and Exploration Strategies

Title ..... First name .....

Surname .....

Address .....

..... Postcode/ZIP .....

Position .....

Company .....

Phone (work) .....

Fax .....

email .....

Please register me for the following sessions:

<input type="checkbox"/> day 4	<input type="checkbox"/> day 8
<input type="checkbox"/> day 5	<input type="checkbox"/> day 9
<input type="checkbox"/> day 6	<input type="checkbox"/> day 10
<input type="checkbox"/> day 7	<input type="checkbox"/> day 11
<input type="checkbox"/> days 4-11 inclusive	

Total \$ .....

Are you a National Masters Program student yes / no

Discounts: CODES Sponsor 50% (2 places per sponsor)  
Bank cheques should be made payable to CODES,  
OR please charge

Mastercard  Visa  Bankcard  Diners Club

Card number \_\_\_\_\_

Cardholder name \_\_\_\_\_

Expiry date \_\_\_\_\_

Cardholder signature \_\_\_\_\_

\*Please photocopy for your own records and post/fax to Izzy von Lichten, CODES, Private Bag 79, Hobart Tasmania, Australia 7001  
Fax +61 3 6226 7662