RESEARCH SEMINAR SERIES – SPRING 2016

CENTENNIAL COLLEGE

RESEARCH SEMINAR 2

Tracking the evolution of late Mesozoic caldera complexes in Hong Kong

Spatial and temporal correlation of four late Mesozoic volcanic centres and their sub-volcanic plutons have been well-constrained in Hong Kong through detailed mapping, geochemical analyses and geochronological studies. Of the four volcanic episodes, the youngest caldera-forming eruptions (of c. 140 million years ago) from the High Island Caldera have been interpreted to be of super-eruption scale. Multiple techniques including field studies, zircon geochronology and trace element analyses and low-temperature thermochronology have been employed to gain new insights into the evolution of these ancient volcanic systems. In this seminar, some latest findings of the magmatic history of Hong Kong and their implications to our understanding of the regional geology will be presented.

SPEAKER

Dr Denise TANG

Senior Geotechnical Engineer

Geotechnical Engineering Office (GEO)

Dr. Denise Tang graduated from the Department of Earth Sciences, HKU and joined the Geotechnical Engineering Office (GEO) as a graduate trainee in 1999. Since then, she has dedicated herself to the geology profession, and been working at the GEO for over 15 years. Dr. Tang co-authored the popular geology book "Hong Kong Geology - A 400-million year journey", which has been one of the GEO's best seller publications since its publication in 2009. She obtained her MPhil degree from the Department of Earth Sciences HKU in 2007, and has recently completed her PhD study at the Victoria University of Wellington, New Zealand.

2 March, 2016 (Wednesday)

12 – 1:15pm

Room 402

CENTENNIAL COLLEGE
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SPRING 2016

RESEARCH SEMINAR SCHEDULE

WEDNESDAY
12 – 1:15PM

27 JANUARY
MAK, SABINA

2 MARCH
TANG, DENISE

23 MARCH
WU, WEI PING

6 APRIL
LI, WAI CHUNG

20 APRIL
SONG, GENG

4 MAY
TORASKAR, HELEN

Enquiries: Ms. Jenny Pong
Research Office
3762 6272 | jenny.pong@centennialcollege.hku.hk