



Instructional Research Staff

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Caroline Burberry

PROFESSIONAL RESEARCH INTERESTS AND EXPERTISE –

- Structural Geology
- Tectonics
- Remote Sensing
- Petroleum Geology

REGIONAL AND BASIN EXPERIENCE –

- Rocky Mountains, Montana, USA
- Zagros Simply Folded Belt, Iran

EDUCATION –

- 2008 - **PhD** from Imperial College, London, U.K. “**Dynamic and kinematic evolution of a fold-thrust belt, with emphasis on the evolution of deformation front structures**”
- 2005 - **MGeol in Geological Sciences (N. America)** from Leeds University, U.K., with junior year at Penn State

MEMBERSHIPS –

- Geological Society of London
- Geological Society of America
- American Geophysical Union

- British Society of Geomorphology
- Geologists' Association

PUBLICATIONS –

- **Burberry, C.M**, Cosgrove, J.W. & Liu, J-G, 2008, Landform morphology and drainage pattern characteristics as an indicator of fold type in the Zagros Simply Folded Belt, Iran, *Journal of Maps*, v2008, p417-430
- **Burberry, C.M**, Cosgrove, J.W. & Liu, J-G, 2007, Stream network characteristics used to infer the distribution of fold types in the Zagros Simply Folded Belt, *Journal of Maps Student Edition*, v2007 p32-45
- **Burberry, C.M**, Cosgrove, J.W. & Liu, J-G, 2008, A Study of Fold Amplification and Deformation style using the evolution of the land surface: Zagros Simply Folded Belt, Iran, Geological Society of London Special Publication, *in review*
- **Burberry, C.M**, Cannon, D. L, Cosgrove, J. W. & Engelder, T. A re-interpretation of Teton Anticline, Sawtooth Range, MT: Along-strike linkage of two deformation front folds. Special Volume Tectonophysics *In preparation*
- **Burberry, C.M**, Jackson, C. A-L. & Cosgrove, J.W. Upper Cretaceous to Recent deformation, related to salt migration and subsequent compression within the Persian Gulf. *In preparation*
- **Burberry, C.M**, Koyi, H., Nilfouroushan, F. & Cosgrove, J.W. Modeling the Deformation Front of a Fold-Thrust Belt: The effect of an upper detachment horizon. *In preparation*