



COLLOQUIUM SEMINAR SERIES

FROM CONTINENTAL MARGINS TO PLATE INTERIORS: IMPLICATIONS OF STRUCTURAL EVOLUTION FOR PLATE TECTONICS, GEOHAZARDS AND RESOURCES



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Plate tectonics is the unifying theory that the outer layer of the Earth is divided into a number of rigid plates that move with respect to each other. This theory explains how ocean basins form and disappear, why volcanoes and earthquakes focus at plate boundaries, and how mountain ranges form. However, many aspects of plate tectonic theory continue to be refined such as the role of magmatism in continental breakup, and why despite plates being considered rigid, seismicity can occur far from plate boundaries in plate interiors. In this talk I outline my career journey from the edges of continents to their interior and explore the formation of the Newfoundland Margin as well as hazards of intraplate seismicity in Eastern Canada.

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featuring

Professor Alexander Peace, McMaster University

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