

	<p><b>Zoltan Hajnal, IUGG Fellow</b></p>	<p><b>CANADA</b></p>
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Zoltan Hajnal is Emeritus Professor at the University of Saskatchewan where he completed his engineering and master degrees in geophysics. He obtained a doctorate in seismology from the University of Manitoba. After a short term in the petroleum exploration industry, his academic pursuits were directed to applied seismology, including imaging fundamental lithospheric structures and establishing links between shallow mineral deposits and deep tectonic processes of the lithosphere. As a leading member of the LITHOPROBE program, he and his students were deeply committed to the Trans-Hudson Orogen, a major continental convergence zone within the central region of the Canadian land mass. Their analysis of the collision of the old Superior and Churchill geologic Provinces demonstrated that contrary to existing evidence obtained through surface geologic indicators, the plate tectonic process was active already in the early evolutionary state of the development of the Lithosphere. The mapping of a Precambrian micro-continent, Sask Craton, beneath the younger Proterozoic cover within the central region of the convergence zone led to the discovery of kimberlite in the area and helped to establish one of the largest kimberlite fields of the continent. The diamondiferous property of some of the pipes initiated a promising exploration industry in a heretofore geologically unfavorable setting.

After the completion of the Western Canadian LITHOPROBE program, Hajnal was invited to plan and participate in the CELEBRATION 2000 lithospheric investigation in which close to 900 modern instruments were employed along 14 profiles across a similar number of countries to survey the lithosphere for the first time in history without the limitations of geographic boundaries. The data from by this unique study are still being used in a number of ongoing studies and continue to enhance our understanding of the lithosphere of continental Europe.

Hajnal's research has appeared in over one-hundred publications in recognized technical journals dedicated to different aspects of this field. His work has also been recognized with membership in the Hungarian Academy of Science, honorary lifetime memberships in the Canadian and Hungarian Geophysical Societies, a Meritorious Service Award by the Canadian Geophysical Union, a Geosciences Honor Roll Award by the Saskatchewan Geological Society, and a Prime of Life Achievement Award by the University of Saskatchewan R. A. In 2013, Hajnal was awarded the Tuzo Wilson medal for outstanding contributions to the field of geophysics in Canada by the Canadian Geophysical Union.