

PROBUS

NEWSLETTER June, 2026
Probus Club of Central Edmonton



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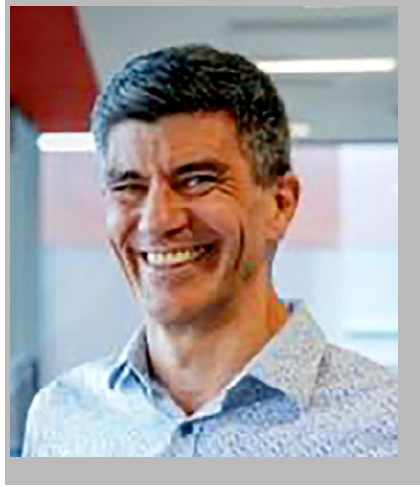
Compliments of the City of Edmonton

Meeting Location

Victoria Golf Club
12130 River Valley
Rd.NW Edmonton

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Dr. Patricio Mendez
Welding and Materials Processing

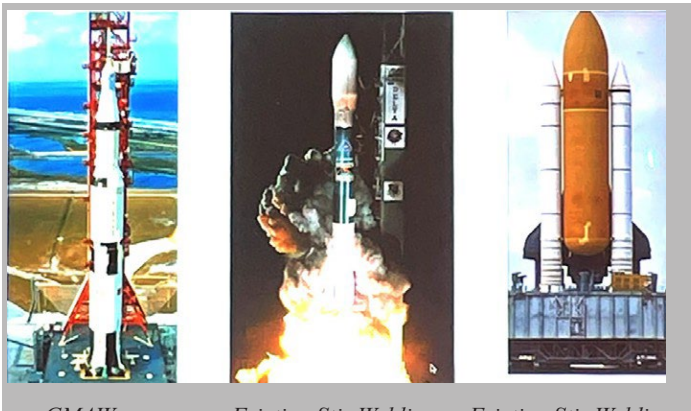


SPEAKER

HIGHLIGHTS

Professor Mendez, whom we will refer by his first name: Patricio, is the Weldco/ Industry Chair in Welding and Joining and Director of the Canadian Centre for Welding and Joining at the University of Alberta.

His teaching and research focus on the physics and mathematics of welding and materials processing. These include heat transfer, magneto-hydro-dynamics, arc plasma, thermodynamics, and kinetics.



GMAW

Friction Stir Welding

Friction Stir Welding

Practical applications include wear protection for mining, and oil extraction, alloy development, procedure development, new welding processes such as laser cladding casting, solidification, and direct metal additive manufacturing using semi-solid processing.

Before joining the University of Alberta in 2009, Patricio taught and researched at the

Colorado School of Mines.

Prior to that, he was a consulting engineer at Exponent Inc. In 1995, Patricio co-founded Semi-Solid



Technologies Inc. in Cambridge, MA.

He holds a Ph.D. and a M.S. degree in Materials Engineering from MIT, and a Mechanical Engineering degree from the University of Buenos Aires.

Patricio is a Fellow of the American Welding Society and the Canadian Welding Bureau. He has received numerous awards for his research and teaching expertise. And has developed 9 patents and has published 68 peer reviewed articles and papers

