

In Memoriam - Julio Militzer

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on behalf of

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In Memoriam – Julio Militzer

It is with great sadness that we share the news that Faculty of Engineering Professor Dr. Julio Militzer passed away in Sao Paulo Brazil on January 4th, 2022.

Having only celebrated his 77th birthday on December 28th, Dr. Militzer's sudden passing has both shocked and sadden all who knew him.

Recently retired from Dalhousie University's Department of Mechanical Engineering in 2020, Dr. Militzer joined the Technical University of Nova Scotia (now Dal) in 1983 as Professor. Throughout this career, he served as the Director of the Centre of Marine Vessel Development and Research from 1998 to 2007. He also held the position as the Director of the CFD Society of Canada, Editor of the CFD Society of Canada Bulletin and was acting Head of the Department of Mechanical Engineering from 1998 to 1999.

Dr. Militzer had over 50 years of consulting and research experience in the general area of thermo-fluids engineering. He developed software packages CFDnet and Numerical Wind Tunnel. These application codes were used for teaching Fluid Mechanics and capable of calculating fluid structure interaction and flows around moving objects. Dr. Militzer's research also included a focus on the simulation of blood flow in brain aneurysms using the software OpenFoam. This work was carried out in collaboration with Brazilian colleagues and medical doctors.

He was a motorsports enthusiast and a high-performance driving instructor. He supervised many student design projects on competition vehicles and tore up the race track with his M3.

Within the Faculty of Engineering, Dr. Militzer was admired and respected by both students and colleagues. Known for his caring demeanor and countless stories, he was a vital member of the faculty.

Although he held a distinguished career, Dr. Militzer's true love in life was his family and friends. Having only retired from Dalhousie a year ago, he was able to spend the remainder of his days in the company of those he loved most.

Dr. Militzer leaves behind his fiancée, Maria Lucia Gomes (Brazil), daughters Debora (Patrick Daigle); Renata (Simon Lebette); and grandchildren who he adored: Eloise, Brigitte, Charlotte and Daniel. He has now joined his wife Elizabeth (Betty) Yara Fuchs who passed away in 2016. He was fortunate to have more than 40 years with Betty whom he loved deeply.

Dr. Militzer will be deeply missed by many. On behalf of the Faculty of Engineering, our sincere condolences go out to his family and friends.

The following has been written by his daughters:

"Our father was a man of many words who easily befriended people who crossed his path. His ability to quickly create community around him was uncanny. Throughout his life he forged deep friendships with people of all walks of life. He had a great energy and lit up any room he walked into. He had many major moves throughout his life, from Israel to Brazil as a child, from Brazil to Canada in his thirties and then most recently back to Brazil in 2020. He was always looking forward and took on the challenges of life with spirit and a positive attitude. He was a deeply generous person and helped many people in his life financially, physically and emotionally. He will be deeply missed but the gifts he shared with us will forever stay in our hearts. Please hold those you love tenderly and enjoy life fully in my father's memory. Our father always genuinely enjoyed sharing food with others, in lieu of flowers please consider making a donation to Feed Nova Scotia or the Canadian Cancer Society, organizations our father supported throughout his life. May his memory be a blessing."

- Debora Militzer (militzer16@yahoo.com)

- Renata Militzer (renata.militzer@gmail.com)