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SHORT BIO:

Professor Giuseppe Pintaude,

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Giuseppe Pintaude, BEng., MSc., PhD is a Professor of Materials Science at the Universidade Tecnológica Federal do Paraná, Curitiba/PR, Brazil. He is an expert on mechanical behavior of materials, especially on Tribology (friction, wear, and lubrication). He was one of the primary organizers of TriboBR conferences, the International Brazilian Conference on Tribology. His research activities are well correlated to industry demands, especially in line with automotive sector. He coordinated collaborative efforts to reduce the waste of the most expensive raw material used in the hydroerosive grinding process conducted in an important Brazilian branch company. At the same time, he formed master and Ph.D. students in the topic of lubricated friction of cast irons, used in engine components. He belongs to a Excellence Research Nucleus of plasma-assisted processes to reduce wear and corrosion, bringing his experience at University of Birmingham as visit researcher.

His current research activities includes the evaluation of tribological phenomena of several surface techniques, including GTAW, HVOF, PTA-P, hard anodizing, plasma nitriding, and others.

He acted as a book main editor for IntechOpen publisher (Tribology of Machine Elements), and as Guest Editor for following journals: SN Applied Sciences (Springer), Industrial Lubrication and Tribology (Emerald), Technology in Metallurgy, Materials and Mining (ABM), Materials Performance and Characterization (ASTM), Coatings (MDPI), and Journal of Engineering Tribology (SAGE).

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