International TRIZ Conference 2023

Graz, Austria

August 30, 2023, 10:00 a.m. – 11:00 a.m. CET

Tutorial

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TU Graz

AI / text mining with a TRIZ mindset

This tutorial presents Innovation Logic, a TRIZ-like innovation methodology. It comprises three steps: WISH, SHOP, and CREATE. WISH identifies desired values, SHOP finds areas for technology transfer, and CREATE explores property variations for improved functionality. The tutorial showcases the benefits of applying Innovation Logic to AI and text mining in the patent database. A key aspect of Innovation Logic is the Rosetta stone effect which translates functions into verbs, properties into adjectives, and context into nouns for better comprehension. Examples illustrate how this translation process can be applied to patent literature using the Patent Inspiration tool.

Speaker: Simon Dewulf

Position: CEO at Patent Inspiration

Simon Dewulf is a passionate advocate for engineering creativity and innovation. Throughout his career, he has actively contributed to over 500 successful innovation projects. His PhD thesis titled "Patent Data Driven Innovation Logic," completed at Imperial College, presents a novel framework for innovation analysis using patent data. Patent Inspiration, the tool he developed, is adopted by technology-driven companies (P&G, Shell, Bosch, …) as well as numerous universities.

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