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Systematic and knowledge-based invention in science and industry - 1; context, problematics, and research strategy

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Nowadays, enhancing the performance of R&D teams is one of the main issue of R&D managers. Since a new product development project looks for proposing science and technology in a creative way, R&D managers are involved in setting up a creative process to enhance inventive problem-solving. But what is the necessity of implementing such a process through the fuzzy front end of innovation projects? What does mean inventive problem-solving, and how does it help engineers and managers? Faced with this questions, I give a brief presentation on the context, problematics, and lessons learned from our research in this field. This report contains a summary information of inventive approaches for managing design teams with introducing the main focus of our strategy and development results achieved.

Biography

Ali Taheri has completed his Master's in Innovative Design from INSA Graduate School of Science and Technology of Strasbourg, France. He has done his PhD from University of Strasbourg in the year 2015. He is an Industrial Engineer with an academic and professional experience. He is the Founder and the Director of Exaura Artefact Inc. at Austin, Texas. He is an active researcher for New Product Development and Technology Management.

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