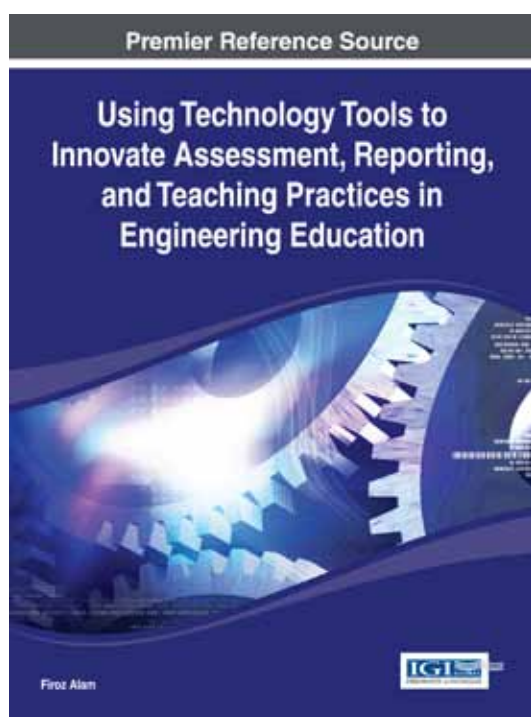


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Using Technology Tools to Innovate Assessment, Reporting, and Teaching Practices in Engineering Education



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Firoz Alam
(RMIT University, Australia)

Many can now conclude that utilizing educational technologies can be considered the primary tools to inspire students to learn. Combining these technologies with the best teaching and learning practices can engage in creativity and imagination in the engineering field.

Using Technology Tools to Innovate Assessment, Reporting, and Teaching Practices in Engineering Education highlights the lack of understanding of teaching and learning with technology in higher education engineering programs while emphasizing the important use of this technology. This book aims to be essential for professors, graduate, and undergraduate students in the engineering programs interested learning the appropriate use of technological tools.

Topics Covered:

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ISBN: 9781466650114; © 2014; 409 pp.

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Dr. Firoz Alam is an Associate Professor and Deputy Head of School for Teaching & Learning in the School of Aerospace, Mechanical and Manufacturing Engineering at RMIT University. He completed his PhD in road vehicle aerodynamics and aero-acoustics from the same university in 2000. He completed his Masters degree combined with Bachelors degree in aeronautical engineering with 1st class honours from Riga Civil Aviation Engineers Institute, Latvia in 1991. Dr. Alam's research interest is in road vehicle aerodynamics, train aerodynamics, sports aerodynamics, HVAC, noise and vibration. He has also strong interest in continuous improvement of teaching and learning methodology and offshore learning in engineering education. Associate Professor Alam has developed "a three step teaching and learning method for thermo-fluid labs" for undergraduate engineering students. He was a recipient of 2004 RMIT University Teaching Award. He has over 150 peer reviewed publications that include scholarly book, book chapters, journal articles and conference papers.



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