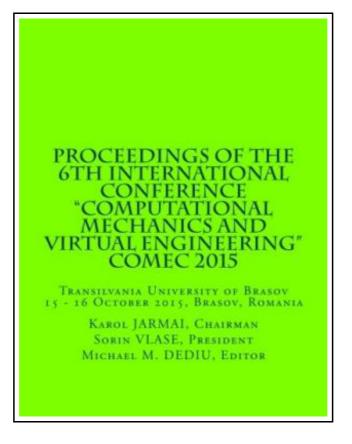
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Derc Publishing House, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English. Brand New Book ***** Print on Demand *****. After receiving many favorable comments and having interesting discussions regarding the Proceedings of the 4th International Conference Advanced Composite Materials Engineering COMAT 2012, the Proceedings of the 5th International Conference Computational Mechanics and Virtual Engineering COMEC 2013, and the Proceedings of 5th International Conference Advanced Composite Materials Engineering and the 3rd International Conference Research Innovation in Engineering COMAT 2014, we are glad to present these Proceedings of the 6th International Conference Computational Mechanics and Virtual Engineering COMEC 2015. This conference was organized with the important support of Transilvania University of Brasov, Romanian Academy of Technical Sciences and Romanian Society of Theoretical and Applied Mechanics, to whom we thank very much. The research and innovation in engineering in general, and in particular in Computational Mechanics and Virtual Engineering, are impressive and ever more important in everyday activities. They include, between many other techniques, fundamental studies of multiscale phenomena and processes in civil engineering, from kilometer-scale problems to a much finer scale, including nano-scale, geometric models, simulation, optimization and decision making tools within an integrated computer-generated environment, using parallel supercomputing, that accelerates the product design, engineering, manufacturing and testing, which are the main purposes of any engineering work. The applications are very diverse and include municipal infrastructure, manufacturing, aerospace, civil engineering structures, mining, communication, geotechnics, flow problems, automotive engineering, electric vehicles, predictive surgery, transportation, geo-environmental modeling, biomechanics, electromagnetism, medicine, prediction of natural physical events, and renewable energy, just to mention a few. These Proceedings of COMEC 2015 include 54 papers, which analyze many important practical applications. The topics range from the energy release rate evaluation in sandwich composite structures, to tactile sensing by using smart materials, and to...

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