



Dr. Przemyslaw Pocheć is an Associate Professor in the Faculty of Computer Science at the University of New Brunswick in Fredericton, Canada, and is interested in data communications. His early research was on image processing and on 3D computer vision systems. His work on parallel computing involved developing parallel image processing algorithms for transputer based systems, VLSI implementations of neural network classifiers and the introduction of a new type of a queue for modelling mirroring systems.

His association with IARIA started in 2010 with the publication of the results his investigation on spontaneous formation of the wireless channel in MANETS. This work led to the introduction of a novel model for mobile ad hoc networking in which the communication nodes form the Mobile Medium through which data communication takes place. Over the following 9 years Dr. Pocheć published a series of 14 papers at various IARIA conferences. His work spanned the investigation of the Mobile Medium itself, the experiments with the different movement patterns for mobile nodes, the investigation of the communication channel properties and also the development of specialized simulation tools including the new generators for simulating node movements and the extension of the ns2 simulator to modelling MANETS in 3D. Two of his papers received the Best Paper Awards at IARIA conferences and one has already been published in one of the IARIA journals. He participated in two panels at IARIA conferences and delivered the keynote address at the IARIA Emerging2015 conference. Dr. Pocheć serves on the Editorial Board for the IARIA Journal on Advances in Telecommunications and he regularly reviews papers for IARIA conferences.