



Petros Christou

Associate Professor, Frederick University of Cyprus

Dr Petros Christou is an Associate Professor in the Department of Civil Engineering, and the Head of the Civil Engineering Department of Frederick University. He is also an affiliated researcher with the Frederick Research Center (FRC). Prior to his employment at Frederick University and FRC he worked construction industry as a site engineer and project manager and then followed a career of private consulting as a founding and managing partner in an Architectural and Civil Engineering consulting firm (scp architects and engineers). During that time Dr. Christou was involved in various activities serving in a number of committees of the Technical Chamber of Cyprus (ETEK) and the Cyprus Organization for Standardization (CYS). He has also been involved in the activities of the Cyprus Association of Civil Engineers serving from different positions in the council. In 2003 Dr. Christou joined the Civil and Coastal Engineering Department of the University of Florida (US) where he was the Associate Director of the Bridge Software Institute (BSI). At BSI the duties included, besides the administration, the further development, upgrade, maintenance and technical support of the software under its auspices. BSI secured an annual project funding from the Florida Department of Transportation for further development and upgrading of the software, the leasing and the services provided to the state engineers. Dr. Christou was responsible for the realization of these projects. In 2007 Dr. Christou joined Frederick University where he also established the Advanced Infrastructure and Materials (AIM) center. While his educational training is in the area of computational mechanics the current research work focusses on various aspects of structural engineering. These include the area of structural analysis and design, nonlinear analysis and soil structure interaction. The importance of the sustainable development sector is exemplified from the concentration of the available research funds in these areas. Responding to these challenges Dr. Christou is involved in research work related to the conservation of cultural heritage (i.e. analysis, capacity assessment, retrofit methods etc.) and the conservation of stone masonry structures. Besides his managerial experience in the industry, and in leading BSI, Dr. Christou participated as a partner and/or as a coordinator in a number of funded research projects at the University of Florida, at Frederick University and at FRC . He serves in editorial boards as well as he is a reviewer in a number of journals.

He is registered as a Professional Engineer with the Technical Chamber of Cyprus (ETEK), he is a member of the Cyprus Association of Civil Engineers (CyACE) and he holds the title “EurIng” awarded from the European Federation of the National Engineering Associations (FEANI).