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«ΔΙΟΙΚΗΣΗ ΕΦΟΔΙΑΣΤΙΚΗΣ ΑΛΥΣΙΔΑΣ ΚΑΙ LOGISTICS» (ΔΕΑL)
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Σειρά Webinars
«Σύγχρονες Πρακτικές & Τεχνολογίες Διοίκησης Εφοδιαστικής Αλυσίδας & Logistics»

Τίτλος Webinar
Computational Approaches for Solving Systems of Nonlinear Equations
Ομιλητής
Dr. Panos Pardalos*

Παρασκευή 11/11/2022, Ώρα: **13:00**

Finding one or more solutions to a system of nonlinear equations (SNE) is a computationally hard problem with many applications in sciences and engineering. First, we will briefly discuss classical approaches for addressing (SNE). Then, we will discuss the various ways that an SNE can be transformed into an optimization problem, and we will introduce techniques that can be utilized to search for solutions to the global optimization problem that arises when the most common reformulation is performed. In addition, we will present computational results using different heuristics.

*Panos Pardalos was born in Drosato (Mezilo) Argitheas in 1954 and graduated from the University of Athens (Department of Mathematics). He received his Ph.D. (Computers and Information Sciences) from the University of Minnesota. He is a Distinguished Emeritus Professor in the Department of Industrial and Systems Engineering at the University of Florida, and an affiliated faculty of the Biomedical Engineering and Computer Science & Information Engineering Departments.

Panos Pardalos is a world-renowned leader in Global Optimization, Mathematical Modeling, Energy Systems, Financial applications, and Data Sciences. He is a Fellow of AAAS, AAIA, AIMBE, EUROPT, and INFORMS and was awarded the 2013 Constantin Caratheodory Prize of the International Society of Global Optimization. In addition, Panos Pardalos has been awarded the 2013 EURO Gold Medal prize bestowed by the Association for European Operational Research Societies. This medal is the preeminent European award given to Operations Research (OR) professionals for "scientific contributions that stand the test of time." He has also been awarded a prestigious Humboldt Research Award (2018-2019), which is granted in recognition of a researcher's entire achievements to date - fundamental discoveries, new theories, and insights that have had a significant impact on their discipline.

Panos Pardalos is also a Member of several Academies of Sciences and holds several honorary Ph.D. degrees and affiliations. He is the Founding Editor of Optimization Letters, Energy Systems, and Co-Founder of the International Journal of Global Optimization, Computational Management Science, and Springer Nature Operations Research Forum. He has published over 600 journal papers and has edited/authored over 200 books. He is one of the most cited authors and has graduated 71 Ph.D. students so far.

Panos Pardalos has lectured and given invited keynote addresses worldwide in countries including Austria, Australia, Azerbaijan, Belgium, Brazil, Canada, Chile, China, Cyprus, Czech Republic, Denmark, Egypt, England, France, Finland, Germany, Greece, Holland, Hong Kong, Hungary, Iceland, Ireland, Italy, Japan, Lithuania, Mexico, Mongolia, Montenegro, New Zealand, Norway, Peru, Portugal, Russia, South Korea, Singapore, Serbia, South Africa, Spain, Sweden, Switzerland, Taiwan, Turkey, Ukraine, United Arab Emirates, and the USA.

More details about Dr. Panos Pardalos can be found at www.ise.ufl.edu/pardalos.