ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
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ΤΜΗΜΑ ΗΛΕΚΤΡΟΛΟΓΩΝ ΜΗΧΑΝΙΚΩΝ Τ.Ε.

Το Πρόγραμμα Μεταπτυχιακών Σπουδών
«**Ευφυής Διαχείριση Ανανεώσιμων Ενεργειακών Συστημάτων**»
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Πρόγραμμα Μεταπτυχιακών Σπουδών
Ευφυής Διαχείριση Ανανεώσιμων Ενεργειακών Συστημάτων

Graduate programme (MSc)
Intelligent Management of Reneawable Energy Sources

BENEFITS OF SOFTWARE DEFINED NETWORKS FOR SMART GRIDS

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την **Τετάρτη 21/03/2018, και ώρα 18:00, στην Αίθουσα Γ205, ΤΕΙ Στερεάς Ελλάδας** (Ψαχνά)

Abstract: Smart grids are characterized by a high level of complexity with a large number of smart devices that are sending, receiving and processing both large amounts of information and critical real-time data. Therefore, secure, real-time capable and reliable telecommunication network systems are necessary for facilitating autonomous management, monitoring, and control in order to provide stable smart grid operations. Meanwhile, Software Defined Networks (SDN) can offer a high level of flexibility to implement innovative networking solutions in order to enhance performance of distributed power systems in large and complex network environments. In this presentation, benefits of SDN, such as improving the resilience of smart grids against malicious attacks, automatic fail-over methods, load balancing, Quality of Service (QoS) guarantees, and security, and risks presented by SDN and how to handle them will be discussed.

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