Editorial

In this issue we present four papers describing work broadly related to the service sector. The first paper on "Publications in Presence Service: Overview and Optimization Techniques" by Victoria Beltran and Josep Paradells, describes the evolution of presence-based applications to the mobile world. The move will allow these applications to offer ubiquitous user personalized services in Next Generation Networks. In this paper the authors "propose controlling the rate of publications for reducing the number of presence publications" and "present a pull approach that allows pausing and un-pausing presence publications".

In the second paper Rakesh Kumar and Guvinder Kaur describe "WASM – A Metric for Securing a Web Application". The need for web security is now an imperative. This paper "identified common threats on the web and classified these threats into various categories, such as accidental, malicious, authorization, application, privacy, and access control threats". It "discusses the primary goals and objectives of security contained within the CIA Triad: Confidentiality, Integrity and Availability. The paper "shows different attacks related to client side, server side and network side threats". A metric named "Web Application Security Metric (WASM) is proposed in this regard to make the web page secure. This metric calculates the sum of the weight of the categories like: Input validation, Authentication, Authorization, Configuration management, Sensitive data, Session management, Cryptography, Parameter manipulation, Exception management and Auditing and logging".

The third paper "Cloud computing – A Calm Technology for Humans-business-environment Triad" by Alexandru Tugui, provides an overview of cloud computing as an information and communication technology and of calm technologies. The article also "reviews research on the calmness of cloud computing in the human-business-environment triad" and finds that "cloud computing is a calm technology at a level perceived as good, with a score of 8,31 points in the refined Tugui and Tugui model". "Specialists' perceptions of cloud computing can be summarized as follows: technological connectivity, reduction in size, and ubiquity."

The last paper on "Efficient k-NN Searching over Large Uncertain Time Series Database" by Ailing Qian, Xiaofeng Ding and Yansheng Lu, investigates k-nearest neighbour search over time-series databases. "The high dimensionality (i.e. length) and uncertainty of the time series", means that "the k-nearest neighbour search over directly indexed precise time series usually encounters serious problems, such as the "dimensionality curse" and "trust ability curse"". In this paper, "PLA for approximating and indexing uncertain time series" is investigated. "Extensive experi–ments over synthetic data sets have been conducted to demonstrate the efficiency and effectiveness of PLA together with the proposed lemmas, in terms of both pruning power and wall clock time, compared with the baseline algorithm."

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