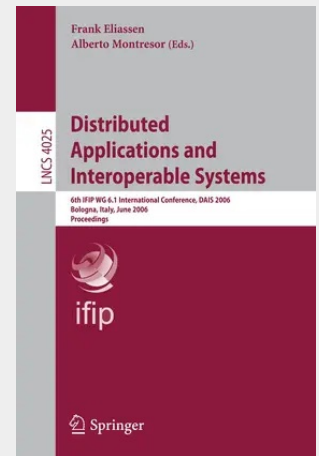


Distributed Applications and Interoperable Systems

6th IFIP WG 6.1 International Conference, DAIS 2006, Athens, Greece, June 14-16, 2006

This volume contains the proceedings of the IFIP WG 6.1 International Working Conference on Distributed Applications and Interoperable Systems VI held in Bologna, Italy, on June 14-16, 2006. The conference program presents the state of the art in research on distributed and interoperable systems. In recent years, distributed applications have indeed gained a practical and widely-known footing in everyday computing. Use of new communication technologies have brought up divergent application areas, including mobile computing, inter-enterprise collaborations, and ubiquitous services, just to name a few. New challenges include the need for service-oriented architectures, autonomous and self-managing systems, peer-to-peer systems, grid computing, sensor networks, semantic enhancements, and adaptivity and dynamism of distribution constellations. Following the evolution of the field, DAIS 2006 focuses on architectures, models, technologies and platforms for interoperable, scalable and adaptable systems that are related to the latest trends towards service orientation and self-properties. The papers presented at DAIS 2006 cover methodological aspects, tools and language of building adaptable distributed and interoperable services, fault tolerance and dependability, peer-to-peer systems, mobility issues, web services applications and performance issues and composition, semantic web and semantic integration, and context- and location-aware applications. Also included in these proceedings is an invited paper by Jan Bosch and colleagues (Nokia - Research Center, Finland) addressing the apparent conflict between usability and the architectural drivers that drive success or failure of mobile services.

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