Artificial Intelligence (AI) is a field of study related to developing intelligent computer systems to solve difficult problems which may be well or badly structured and arising from different disciplines and domains. Often a multidisciplinary-based approach is required. Much research and development effort is directed towards investigating computational models for such problems with complex characteristics. The hunger for new, efficient, effective and intelligent technologies continues to grow providing a rich environment to permit researchers and innovators to meet the challenge. New research frontiers in AI aim to fuse (or integrate) smart, multimedia and gaming technologies to deliver innovative solutions that ultimately result in benefits to society. Research and innovation combining these areas provide a rich paradigm for solutions and empowerment connecting computers, systems, organisations, individuals and communities.

We have chosen seven world-class contributions from eminent authors for this monograph. These chapters will provide readers with an opportunity to explore developments in research, systems and perspectives on the fusion of smart, multimedia and gaming technology. The chapters include research results and innovative applications to illustrate the importance of fusion technologies to intelligent solutions. The main areas covered include a variety of new trends: the fusion of 3D virtual technologies, serious applications such as fusion of multimedia and mobile technology in auto guides for visitors in museums and exhibitions, fusion technology in the modern classroom, fuzzy logic classifiers and conceptual modelling for an e-Learning framework, teaching and promoting smart Internet-of-things solutions using the serious-game approach, the fusion of secure VPNs with mobile computing and multimedia, and smart gamification and smart serious games.

With the significant combined experience of the editors in research and publications, we are proud to offer this collection of authors and their wealth of knowledge as presented. The collection will benefit both researchers and innovators. It also generates further research in new directions. We have found the breadth and depth of the research results reported here stimulating, and believe you will too.
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