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Computational Science and Its Applications – ICCSA 2019

19th International Conference, Saint Petersburg, Russia, July 1–4, 2019, Proceedings, Part II

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About these proceedings

Introduction

The six volumes LNCS 11619-11624 constitute the refereed proceedings of the 19th International Conference on Computational Science and Its Applications, ICCSA 2019, held in Saint Petersburg, Russia, in July 2019.

The 64 full papers, 10 short papers and 259 workshop papers presented were carefully reviewed and selected form numerous submissions. The 64 full papers are organized in the following five general tracks: computational methods, algorithms and scientific applications; high performance computing and networks; geometric modeling, graphics and visualization; advanced and emerging applications; and information systems and technologies. The 259 workshop papers were presented at 33 workshops in various areas of computational sciences, ranging from computational science technologies to specific areas of computational sciences, such as software engineering, security, artificial intelligence and blockchain technologies.

Keywords

artificial intelligence cloud computing computer architecture computer networks data mining data security education image processing internet machine learning neural networks semantics signal processing software engineering software evaluation Support Vector Machines (SVM) telecommunication networks user interfaces wireless telecommunication systems World Wide Web

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