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Advanced Computing and Communication Technologies

Proceedings of the 10th ICACCT, 2016

Editors: ([view affiliations](#)) Ramesh K. Choudhary,
Jyotsna Kumar Mandal, Dhananjay Bhattacharyya

Presents significant and innovative research
contributing to the fields of advanced computing and
communication technologies

Brings together ideas from both researchers and
practitioners on the vital role of technology

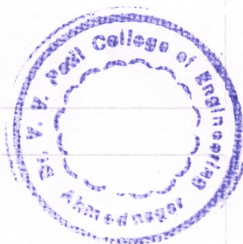
Addresses issues and challenges in Computational
Intelligence

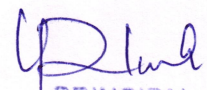
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Part of the book series: [Advances in Intelligent
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Advanced Computing: Data Encryption

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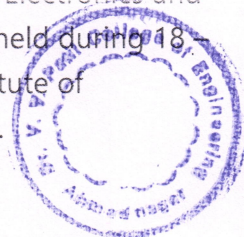
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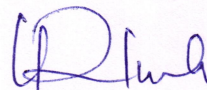
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About this book

This volume contains selected papers presented at the 10th International Conference on Advanced Computing and Communication Technologies (10th ICACCT 2016), technically sponsored by Institution of Electronics and Telecommunication Engineers (India), held during 18-20 November 2016 at Asia Pacific Institute of Information Technology, Panipat, India.




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Bhattacharyya's research interest is in understanding structure-function relationship of biological macromolecules, particularly nucleic acids. In this context, he utilizes available crystallographic data to carry out molecular dynamics simulation and ab initio quantum chemical calculations to understand structural stabilization of nucleic acid bases and recognition of nucleic acid by other ligands. In order to understand different structural features of nucleic acids, the CS division at Saha Institute of Nuclear Physics have developed few software tools under his guidance, such as NUPARM, BPFIND, PyrHB Find, etc. Using some of these tools, the CS division have classified structures of different non-canonical base pairs appearing in RNA crystal structures. Dr. Bhattacharyya has successfully guided several doctoral candidates on computational biology and bioinformatics.

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Bibliographic Information

Book Title	Book Subtitle	Editors
Advanced Computing and Communication Technologies	Proceedings of the 10th ICACCT, 2016	Ramesh K. Choudhary, Jyotsna Kumar Mandal, Dhananjay Bhattacharyya
Series Title	DOI	Publisher
Advances in Intelligent Systems and Computing	https://doi.org/10.1007/978-981-10-4603-2	Springer Singapore
eBook Packages	Copyright Information	Softcover ISBN
Engineering, Engineering (R0)	Springer Nature Singapore Pte	978-981-10-4602-5



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Ltd. 2018

eBook ISBN	Series ISSN	Series E-ISSN
978-981-10-4603-2	2194-5357	2194-5365

Edition Number	Number of Pages	Number of Illustrations
1	XXIV, 336	117 b/w illustrations

Topics

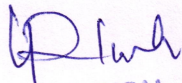
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