



## Ibadan ACM Chapter

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# Foreword

Welcome to the Proceedings of the 2<sup>nd</sup> international conference on Computing Research and Innovations (CoRI '16), held in University of Ibadan, Nigeria from August 7<sup>th</sup> to 9<sup>th</sup> 2016. The Ibadan ACM Chapter is very excited about the success of this conference. We are delighted that we can contribute to the ACM's global mission as the world's largest computing society, by "providing opportunities for life-long learning, career development, and professional networking" and by "raising awareness of computing's important technical, educational, and social issues around the world. The main focus of this conference is to facilitate knowledge sharing in Computing research and innovation across international purviews. The conference received 98 submissions spreading through the sub themes; Algorithms and Scientific/Engineering Applications, High Performance Computing, Networks, Parallel and Distributed Computing, Artificial Intelligence, Operating Systems, Scientific Visualization, Big Data and Analytics, Emerging applications and interdisciplinary studies amongst others. 40 out of the 98 submissions were accepted; 34 for oral presentation and 10 for doctoral panel and poster demo. Each paper was peer-reviewed through a review process that involved a committee of internal and external reviewers. Over 30% of the papers were reviewed by at least 3 reviewers. This is a significant improvement when compared to our previous conference and we are confident that we shall continue to improve the standard of this conference.

This conference has received cooperation from distinguished scholars in Computer Science from across the globe. The international body of ACM was helpful in assisting with sponsoring a Distinguished ACM speaker to this conference. For this support we are grateful. We are very grateful to all guest speakers for volunteering to share your wealth of experience with students and young researchers at this conference. We are particularly indebted to Prof. Mrs. A.O. Osofisan for taking time out of her busy schedules to prepare and present the keynote address at this conference in addition to her professional guide and counsel during the planning and implementation phases of this conference. We equally thank Prof. G. A. Aderounmu for honouring our invitation at a very short notice to share his experience with us. We must not but appreciate Prof. Jeanna Matthews for taking the risk to travel all the way from USA to be physically present as Distinguished ACM speaker at this conference. We acknowledge the efforts of all other featured speakers like Prof. Casper Harteved, Prof. Harold Timbley and Prof. Peter Brusilovsky. Without any iota of doubt, this conference has introduced a new perspective to Computing profession in Nigeria with regards to international networking and collaboration

Special thanks to Global Centre for Information Technology Empowerment and Education for their commitment in handling the logistics for this conference. We appreciate the Ag. Head (immediate past and present) and every colleague of the Department of Computer Science, University of Ibadan, for their cooperation and contribution in making this conference a success. We thank the Dean of the Faculty of Science, for his unflinching support. We gratefully acknowledge the contributions and support of the Dean, Postgraduate School and the Office of International Programmes, University of Ibadan, towards the success of this conference. We are grateful to the University of Ibadan Vice Chancellor and the Deputy vice Chancellors for their support and commitment towards a memorable opening of this conference.

The technical content of CoRI 2016 is the result of the hard work of many dedicated individuals including the Organizing Committee members (global and local), and reviewers who have worked tirelessly to ensure thorough peer-review process. We are particularly grateful to the authors of the 98 papers from Canada, China, India, Iran, Malaysia, Nigeria, South Africa, UK and USA who chose to submit their work to CoRI 2016. We also acknowledge the participation of all delegates at this conference for making the choice to be part of this conference, We are convinced that this conference has been interesting, useful, and stimulating and that memories of this conference will linger for a long time to come. We therefore look forward to your submissions and participation in our future conferences and other events

John Oladosu  
General Chair

Yetunde Folajimi  
Technical Chair

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# Acknowledgement

## Keynote Speaker

Prof. Adenike Osofisan (University of Ibadan, Nigeria)

## Distinguished Speaker

Prof. Jeanna Matthews (Clarkson University, USA)

## Featured Speakers

Prof. Peter Brusilovsky (University of Pittsburgh, USA)

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Prof. Casper Hartevelde (Northeastern University, USA)

Prof. Harold Thimbleby (Swansea University)

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