

ISSN : 2288-9973
http://www.fitat.org

Join us July 20 - 23, 2015
NEDU, Jilin, China

FITAT 2015

The 8th International Conference on Frontiers of Information Technology, Applications and Tools

General Chairs

Oyun-Erdene Namsrai, National University of Mongolia, Mongolia
Ren Jie Song, Northeast Dianli University, China
Ling Wang, Northeast Dianli University, China

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Goutam Chakraborty, Iwate Prefectural University, Japan

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Hoang Do Thanh Tung, IOIT of VAST, Vietnam
Zhaoyang Qu, Northeast Dianli University, China

6 Keynote Speakers

Goutam Chakraborty, Iwate Prefectural University, Japan
Zhao Yang Qu, Northeast Dianli University, China
Weifeng Su, BNU-HKBU United International College, China
Shi Nan Liu, Jilin city information technology Co., L, China
XiaoJuan Chen, Northeast Dianli University, China
Bo Meng, Northeast Dianli University, China

Important deadline

Full paper submission due : June 30, 2015
Poster session abstract submission due : June 30, 2015
Notification of acceptance : July 5, 2015
Camera ready due : July 7, 2015
Registration due : July 17, 2015

About Conference

The Eighth International Conference on the Frontiers of Information Technology, Application and Tools; (FITAT) is shaping up to be an annual conference to provide a platform for presentations and discussions of recent developments and future trends in Information Technology. FITAT 2015 is emerging as a leading forum for IT professionals and researchers to discuss and present the latest research trends and results in the field of Information Technology (IT). FITAT 2015 promises to be exciting event that will host leading IT researchers from across the globe and will provide opportunity to build international research collaborations. The FITAT 2015 will discuss the challenges facing information technology professionals with core database technologies, bio-medical informatics, sensor network technology and current IT applications.

Organized by:



**Proceeding of the Eighth International Conference
on Frontiers of Information Technology,
Applications and Tools**

FITAT 2015

Organized by
Northeast Dianli University, China
Chungbuk National University, Republic of Korea
National University of Mongolia, Mongolia

July 20 – 23, 2015
Jilin, China

Dear Distinguished Delegates and Guests,

On behalf of the FITAT 2015 Conference Committee, it is our great pleasure to welcome you to Northeast Dianli University(NEDU), Jilin, China for the 8th International Conference on Frontiers of Information Technology, Applications and Tools. We are grateful to have this year's conference held in NEDU, Jilin, China. The International Conference on FITAT 2015 is emerging as a leading forum for IT professionals and researchers to discuss and present the latest research trends and results in the field of Information Technology (IT). FITAT 2015 promises to be exciting event that will host leading IT researchers from across the globe and will provide opportunity to build international research collaborations. We hope that you will benefit both scientifically and personally from the forum and enjoy the FITAT 2015.

This volume contains the Proceedings of the FITAT 2015, held in NEDU, Jilin, China, and July 20 – 23, 2015. The FITAT 2015 conference includes 6 keynote speeches, 40 papers in oral presentation where each paper is assigned into one of the 13 conference sessions, and 41 papers in interactive presentation session.

The papers were submitted from many countries across the globe and many program committee members from 5 countries worked hard to prepare the FITAT 2015. We, on behalf of the Program Committee of FITAT 2015, would like to thank the many people who volunteered their time to help make the conference a success. We also thank all of the authors who submitted their best work to the conference. The research presented here represents a tremendous effort on the part of all of these people. We hope that the proceedings will serve as a valuable resource for the community.

With our warmest regards,

The Organizing Committees
July 20 – 23, 2015
NEDU, Jilin, China

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