

Communication

# The 10<sup>th</sup> International Conference on Information Technology and Quantitative Management (ITQM 2023), August 12-14, Oxford, UK: Global Collaboration to Enhance Information Technology & Quantitative Management

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The 10<sup>th</sup> International Conference on Information Technology and Quantitative Management has been successfully held in Oxford, United Kingdom from August 12 to 14, 2023. Theme of this conference was “Global Collaboration to Enhance Information Technology & Quantitative Management”. This conference was organized by International Academy on Information Technology and Quantitative Management (IAITQM), jointly organized by Research Centre on Fictitious Economy & Data Science, Chinese Academy of Sciences; Key Laboratory of Big Data Mining and Knowledge Management, Chinese Academy of Sciences; School of Economics and Management, University of Chinese Academy of Sciences; University of Oxford; University of Nebraska at Omaha. This conference has attracted more than 650 experts, scholars and students from 20 countries and regions to submit their papers to the conference, including Brazil, Canada, Chile, China, Colombia, Denmark, France, Germany, India, Iran, Macao (China), Mexico, the Netherlands, Romania, Russia, Saudi Arabia, Serbia, Spain, the United Kingdom and the United States, and finally 198 papers after peer-reviewing have been accepted and published in the conference proceeding *Procedia Computer Science* (by Elsevier).

The opening ceremony of the conference took place in the morning of August 12. The opening ceremony was firstly addressed by Prof. Daniel Berg, founding member of IAITQM and Member of the National Academy of Engineering (NAE, US), Prof. James M. Tien, founding member of IAITQM and Member of the National Academy of Engineering (NAE, US), and Prof. Yong Shi, President of IAITQM and General Co-Chair of the conference, to give remarks and wish a great success, with

more than 100 guests attended the conference in person. The opening ceremony was chaired by Dr. Fan Meng, the Associate Secretary of IAITQM.



Figure 1. Group Photo of ITQM 2023.



Figure 2. Prof. Jack Dongarra's Keynote Speech.

After the opening ceremony, a total of 5 well-known experts and world-leading scholars have given keynote speeches and plenary speech at the conference: (i) **Jack Dongarra**, University of Tennessee, Oak Ridge National Laboratory, and University of Manchester, United States, focusing on "An Overview of High-Performance Computing and Future Requirements"; (ii) **Yong Shi**, Research Centre on Fictitious Economy & Data Science AND Key Lab of Big Data Mining and Knowledge Management, Chinese Academy of Sciences, China, focusing on "Digital Economy:

History, Development and Future Trends”; (iii) **Jyrki Wallenius**, Aalto University School of Business, Finland, focusing on “Interactive Methods for Multi-Objective Optimization”; (iv) **Xiaohui Liu**, Brunel University London, United Kingdom, focusing on “Cross-Field Research in AI, Data Science, and Optimization: What Have We Learned?”; (v) **Huchang Liao**, Business School of Sichuan University, China, focusing on “Probabilistic Linguistic Term Set and Its Application in Decision Making”. Besides speeches by the extraordinary scholars above, more than 200 presentations were given in 29 Paralleled Special Sessions & Workshops, which closely followed the characteristics and trends of the times and focused on theoretical and empirical analysis of mainstream views, with frequent discussions and interactions between the participants.



Figure 3. Prof. Yong Shi’s Keynote Speech.

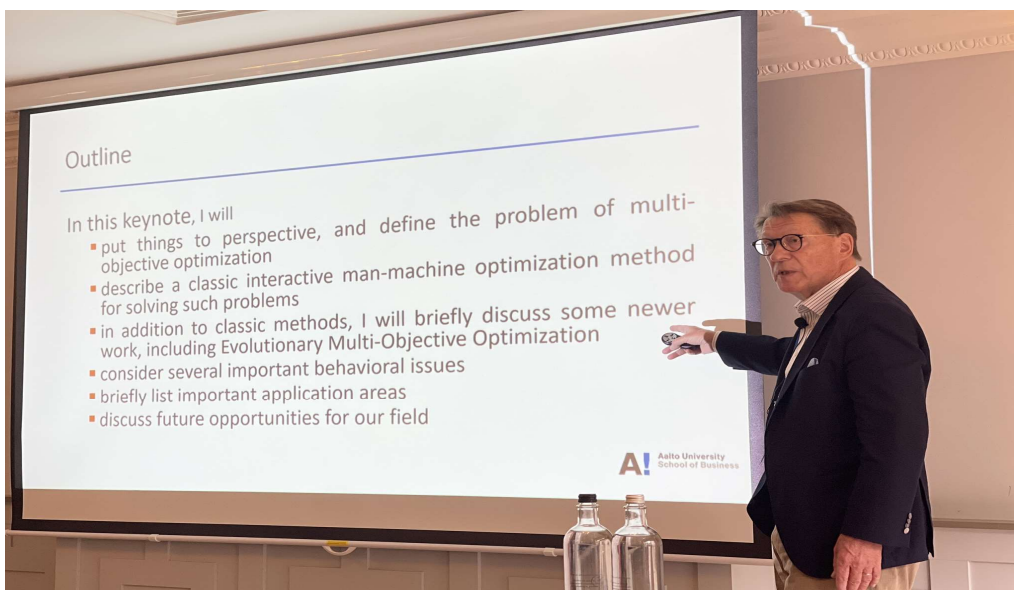


Figure 4. Prof. Jyrki Wallenius’s Keynote Speech.



Figure 5. Prof. Xiaohui Liu's Keynote Speech.



Figure 6. Prof. Huchang Liao's Plenary Speech.

The banquet and award ceremony were chaired by Prof. Yong Shi, President of IAITQM, in the evening of August 12. He primarily introduced the major works of the academy in the past decade, and the two academic journals of IAITQM (International Journal of Information Technology & Decision Making, Annals of Data Science), with the development of ITQM conferences summarized. Then Prof. James M. Tien presented the **Daniel Berg Award** to Prof. Xiaohui Liu on behalf of the IAITQM for his great work in service systems, technological innovation and decision making; Prof. Enrique Herrera-Viedma presented the **Richard Price Award** to Prof. Yong Shi on behalf of the IAITQM for his outstanding achievements in the field of data science; Prof. Yingjie Tian presented the **Walter Scott Award** to Prof. Jack Dongarra on behalf of the IAITQM in recognition of his significant contributions to the theory, education and applications of information technology; Prof. Felisa M. Cordova presented the **Siwei Cheng Award** to Prof. Jyrki Wallenius on behalf of the

IAITQM in recognition of his remarkable contributions to the research areas of Operations Research and Quantitative Management; Prof. Heeseok Lee presented the **Herbert Simon Award** to Prof. Huchang Liao to congratulate him for the highly cited paper published in IJITDM with his years of dedication and services to the journal; Prof. Florin G. Filip presented the Best Paper Awards to the selected 16 works at the conference. Moreover, Prof. Yong Shi introduced the specifics of the Fellowship established at the end of 2022 by IAITQM, and awarded certificates to the Fellows onsite. **The ITQM 2024 conference will be held at Bucharest, Romania**, which has been generally introduced by Prof. Cristian Ciurea from the Academy of Economic Studies (ASE), and he welcomed the attention and active contribution from all authors at the conference.



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