

## Call for Papers

### ACM Transactions on Management Information Systems (TMIS)

Call for Special Issue on Advancing FinTech & TechFin Applications in Research, Policies and Practice

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Recently, academia, practitioners, and policy makers have focused much attention on financial technology start-ups (FinTech) and the integration of digital technology innovations in incumbent financial players (TechFin). The current special issue will contain articles of significant reference value that integratively apply the above three lenses or synthesis thereof to advance applied research and practice 'outcomes' of greatest impact. For instance, analogous to the field of medicine, the "time is right" for the Information Systems field to advance with the current special issue, which encourages applied Information Systems Outcomes\* research and practice using lenses such as Translational Research\*\* among others.

#### Scope & Topics of Interest

While all high-quality manuscripts focused on FinTech & TechFin Applications will be considered, we are particularly interested in approaches, applications and case studies with high-impact focus on advancing current FinTech & TechFin applications in research, policies, and, practice of significant reference value.

- Anti-money laundering via information technology
- Best financial practices in big data implementation
- Big data and blockchain analytics innovations
- Big data and blockchain in public finance
- Big data and blockchain corporate finance
- Big data for financial risk analytics
- Big data for portfolio analytics
- Big data and analytics visualization for finance
- Bitcoin and virtual money
- Blockchain and financial applications
- Complex analytics in big data
- Data cleansing in financial big data
- Data quality for complex financial applications
- Detecting abnormality in financial big data
- Fraud detection in financial big data
- Governance of big data finance
- High frequency financial trading
- Integration of structured and unstructured financial data
- Internet insurance
- Internet wealth management
- Mobile payment technologies
- Network analytics in finance
- Predictive analytics in financial services
- Privacy Preservation in financial big data

- Scalable cloud data for finance
- Security control in big data finance
- Supply chain finance
- Time series trading data management and analysis

All accepted manuscripts are expected to make a significant scientific contribution and present a rigorous evaluation of the Information Systems Outcomes focus on implementation in real world practices and analysis of real world practices to advance real world outcomes.

\*Advancing the Information Systems Outcomes discipline and fields of practice: The special issue represents an early step toward advancing the academic field of Information Systems by applying Translational focus among other applied research lenses on implementation in real world practices and analysis of real world practices to advance real world "Outcomes". Our focus on real world practice and related outcomes is in the same spirit as that of one of the founding fathers of the IS field with whom a similar idea was broached 15 years ago by one of the guest editors of the current special issue. That conversation was inspired by the thinking of that distinguished professor, Russell L. Ackoff of the University of Pennsylvania, as articulated in his article that earlier inspired the reinvention of the Operations Research discipline: The Future of Operational Research is Past (accessible from: [http://ackoffcenter.blogs.com/ackoff\\_center\\_weblog/2003/10/the\\_future\\_o\\_op.html](http://ackoffcenter.blogs.com/ackoff_center_weblog/2003/10/the_future_o_op.html)).

\*\*Advancing applied research and practice 'Outcomes' methodologies [such as]: The Translational Research focus is critical as the Information Systems discipline is in the danger of being perceived as so seamlessly entwined with technology that its true critical success factors will be lost in the pleasing hum of servers, software and pipes. The translational focus on performance outcomes delivered in the real world of practice is as critical to the field of Information Systems as it is to the field of Medicine. For instance, the National Institute of Health distinguishes Translational Research from other types of research in terms of its specific focus on real world outcomes and their improvement at individual [patient] and collective [population] levels. Likewise, for Information Systems, Translational Research is evident in advancing and integrating existing developments in 'academia', 'policy', and 'practice' toward applied advancement of real world outcomes and their improvement at individual and collective levels. The Translational focus on implementation in real world practices and analysis of real world practices to advance real world outcomes is further clarified in the publications of NIH and JAMA such as those listed below.

[Issues in Translation: <https://ncats.nih.gov/translation/issues>; Translational Science Spectrum: <https://ncats.nih.gov/translation/spectrum>; The Meaning of Translational Research and Why It Matters (<http://jamanetwork.com/journals/jama/article-abstract/1149350>), Defining Translational Research: Implications for Training (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829707/>), and, Reengineering Translational Science: The Time Is Right (<http://stm.sciencemag.org/content/3/90/90cm17.full>).]

### **Submission Information**

For submission instructions and reviewing procedure, please refer to <http://tmis.acm.org/authors.cfm> and add a comment in the email to the Assistant to the Editor-In-Chief that the submission is intended for the special issue on: Advancing FinTech & TechFin Applications in Research, Policies and Practice. Then, please select the paper type for submission called "Advancing FinTech." All papers will be reviewed by three external reviewers, plus at least one guest editor.

### **Important Dates**

Submission Deadline: November 15, 2017  
 Notification to Authors (first round): March 1, 2018  
 Articles invited to revise for reconsideration due: May 15, 2018  
 Final Notification to authors: August 1, 2018  
 Publication date: December 2018.