

World Leaders of Audit Analytic Research



Miklos A. Vasarhelyi

KPMG Distinguished Professor of Accounting Information Systems, Rutgers Business School

CURRENT RESEARCH

Automating auditing methods to perform control and risk assessments for business processing systems

With the progressive automation of business processing systems, their transparency for examination has been substantially reduced. Methods are needed to assure society that processes are adequate, anomalies are minimal, and cyber threats are under control. Prof. Miklos Vasarhelyi, KPMG Distinguished Professor of Accounting Information Systems at Rutgers University, brings modern analytic and IT technology to auditing and monitoring to assure that financial statements and systems in companies are fairly represented. By automating methods to perform auditing activities like control and risk assessments on a frequent basis through continuous auditing, Prof. Vasarhelyi provides key breakthroughs in keeping real-time auditing methods more efficient, transparent, and accurate, and works hard at facilitating organizations to adopt them.

Continuous auditing research was first developed by Prof. Vasarhelyi himself at the Bell Laboratories in 1986-1990 to assess the correctness of AT&T's billing systems. At that time, auditing was still being developed as a manual process; continuous auditing was not recognized as important for about a decade. Prof. Vasarhelyi and his team, however, continued to develop methodologies for continuous and automated assurance of organizations for the past 20 years. Now, in the world of big data and highly integrated systems, continuous auditing will be the only feasible way to provide assurance and bring auditing to a more predictive and automated domain, and leading professional organizations in accounting have already published studies and guidelines for its use. Prof. Vasarhelyi is therefore a true pioneer in the field, chairing over 40 dissertations and working with KPMG, one...

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AFFILIATION



EDUCATION

- Ph.D. in Management Information Systems 1973, University of California, Los Angeles
- M.S. in Finance 1969, Massachusetts Institute of Technology
- B.S. in Electrical Engineering 1966, Catholic University of Rio de Janeiro
- B.S. in Economics 1966, State University of Guanabara

AWARDS

- American Association Outstanding Educator Award, Aug. 2013
- Outstanding Educator Award, Aug. 2011
- Joseph J Wasserman Award, June 2011
- CPA Australia Research Lecture, Medal from University of Melburn, Oct. 2010
- Award for 'Notable Contribution to the Literature for Continuous Audit of Online Systems', Aug. 2010
- and 3 more...

RESEARCH AREAS

Technology, Cybersecurity, Informational Sciences / Internet

FUNDING REQUEST

Your contributions will support the continued research of Dr. Miklos Vasarhelyi at Rutgers University as he develops continuous auditing and analytic methods to automate auditing processes. Donations will help fund the \$500K/year required to support Ph.D. students who will develop methods and apps to create the facility to crowdsource the examination of public data.