The H Index for Management Information Systems

The **h-index** is a citation index that attempts to measure both the productivity and impact of the published work of a scientist or scholar (http://en.wikipedia.org/wiki/H-index). The index was suggested by Jorge E. Hirsch, a physicist at UCSD, as a tool for determining theoretical physicists' relative quality (Hirsch, 2005). **A scholar with an index of h has published h papers each of which has been cited by others at least h times**. The h-index is intended to measure simultaneously the quality and sustainability of scientific output, as well as, to some extent, the diversity of scientific research. Since 2005, the h-index has been discussed and analyzed in major publications such as *PNAS* and *Nature* (Hirsch, 2005, 2007; Lehmann et al., 2006; Wendl, 2007) and adopted in many disciplines (e.g., physics, biology, computer science, information science, social sciences, economics, etc.).

The h-index can be manually determined using citation databases or using automatic web tools. Subscription-based databases such as Scopus and the Web of Science provide automated calculators. Each database or tool is likely to produce a different h for the same scholar because of different coverage. Google Scholar is widely used due to its availability and easy access. Google Scholar tends to have more citations (especially from conference publications) than Scopus and Web of Science, which cover mostly journal publications (http://en.wikipedia.org/wiki/H-index).

We provide here a partial list of Management Information System professors and researchers who each has an h-index of 20 or higher according to Google Scholar. The original list of scholars that we considered includes AIS LEO recipients, AIS Fellows, past ICIS conference and program chairs, recent ICIS track chairs, AEs of selected major MIS journals (MISQ, ISR, JMIS, MS, DSS, JAIS, TMIS), and highly ranked scholars from several recent MIS research productivity studies (e.g., CAIS 2007; EJIS 2007). Based on an initial list of about 400 senior scholars, a PHP program was developed to automatically query Google Scholar and compute the h-index for each scholar. Due to the difficulty with common names, this program distinguishes works in the field through a combination of rules and machine learning. Selected results were manually checked to verify correctness. The results obtained from our analysis are similar to those generated from the popular and freely available Harzing's "Publish or Perish" application (http://www.harzing.com/pop.htm), which also accesses Google Scholar for its h-index calculation.

Although there are many different yardsticks for measuring research productivity in MIS, we believe the h-index is a metric that deserves attention due to its academic basis, simplicity, and wide acceptance in other major scientific disciplines. Several fields have included the h-index of productive scholars in their disciplines at selected web sites, such as "The h index for Computer Science" at http://www.cs.ucla.edu/~palsberg/h-number.html, and, for economists, the h-index provided on the IDEAS website and database at http://ideas.repec.org/top/top.person.hindex.html. This h-index for Management Information Systems is a similar effort.

Any automated tool may invariably introduce errors, inconsistencies, or omissions. Please send comments, corrections, and new entries to Sandeep Suntwal at the University of Arizona, sandeepsuntwal@eller.arizona.edu. We would like to thank the community members for their valuable feedback and inputs. We will continue to provide an annual update based on our existing Java program and Google Scholar.

References:

Jorge E. Hirsch (2005). "An index to quantify an individual's scientific research output." *PNAS* 102 (46): 16569–16572. Jorge E. Hirsch (2007). "Does the h-index have predictive power?" *PNAS* 104 (49): 19193–19198.

Michael Wendl (2007). "H-index: however ranked, citations need context." *Nature* 449 (7161): 403.

Sune Lehmann, Andrew D. Jackson, and Benny E. Lautrup (2006). "Measures for measures." *Nature* 444 (7122): 1003–4.

Please send comments, corrections, and new entries to Sandeep Suntwal at the University of Arizona, sandeepsuntwal@eller.arizona.edu.

H-Index for Management Information Systems
January 2017

H-Index	Name	H-Index	Name	H-Index	Name	H-Index	Name
88	Hsinchun Chen	49	Helmut Krcmar	40	Dorothy E. Leidner	34	France Bélanger
85	Andrew Whinston	49	Paul A. Pavlou	40	Enid Mumford	34	Lorne Olfman
83	Izak Benbasat	48	Albert L. Lederer	40	Gert-Jan de Vreede	33	Veda C. Storey
83	Thomas H. Davenport	48	H. Raghav Rao	40	Joey F George	32	Bill Kettinger
77	Varun Grover	48	Kwok K. Wei	40	Stuart E. Madnick	32	Carsten Sorensen
75	Ronald E. Rice	47	Eric K. Clemons	40	Suzanne Rivard	32	Chrisanthi Avgerou
74	Kalle J. Lyytinen	47	James J. Jiang	39	Jan Marco Leimeister	32	Jan Pries-Heje
72	Erik Brynjolfsson	47	Keng L. Siau	39	Jason Dedrick	32	Michael Chau
68	Kenneth L. Kraemer	47	Matthew K O Lee	39	John L. King	32	Ramesh Sharda
65	Rob Kling	47	Robert D Galliers	39	Robert M. Davison	31	Gurpreet S. Dhillon
65	William R. King	46	George Wright	39	Patrick Fan	31	Guy G. Gable
65	Joseph S. Valacich	49	Paul A. Pavlou	38	Abraham Seidmann	31	Makoto Nagao
64	Jay F. Nunamaker, Jr.	48	Albert L. Lederer	38	Maryam Alavi	31	Rahul Telang
63	Daniel Robey	48	H. Raghav Rao	38	Michael D. Myers	30	Alain Pinsonneault
63	Rudy A. Hirschheim	48	Kwok K. Wei	38	Upkar Varshney	30	Allen S. Lee
63	Zahir Irani	47	Eric K. Clemons	37	Daniel E. O'Leary	30	Elena Karahanna
61	Alan R. Dennis	47	James J. Jiang	37	Rajiv Sabherwal	30	Fiona Nah
61	Detmar W. Straub, Jr.	47	Keng L. Siau	37	Robert M. Davison	30	Frank F. Land
61	Richard Watson	47	Matthew K O Lee	37	Sandra A. Slaughter	30	Hemant K. Bhargava
61	Robert J. Kauffman	47	Robert D Galliers	37	Tosiyasu L. Kunii	30	Merrill Warkentin
61	Wanda J. Orlikowski	46	George Wright	37	Tridas Mukhopadhyay	30	Ronald M. Lee
60	Gary A. Klein	46	Arun Rai	37	Yair Wand	29	J. Daniel Couger
60	Jonathan Grudin	46	Brian Fitzgerald	36	Alan R. Hevner	29	Sid L. Huff
60	M. Lynne Markus	46	Ramayya Krishnan	36	Hee-Woong Kim	29	Stefan Klein
59	Robert W. Zmud	46	Robert O. Briggs	36	James Thong	28	Christian Wagner
58	Sue Newell	45	Blake Ives	36	Juhani Iivari	28	G. Lawrence Sanders
58	Thompson Teo	45	Ee P. Lim	36	Paul Benjamin Lowry	28	J. Leon Zhao
57	Clyde W. Holsapple	45	Mary C. Lacity	36	Peter Weill	28	Jason Thatcher
57	Mark Keil	45	Soon Ang	36	Richard O. Mason	28	John F. Rockart
57	N Venkatraman	44	Alexander Tuzhilin	35	Alok Gupta	28	Michael J. Earl
57	Ritu Agarwal	44	Amrit Tiwana	35	Benn R. Konsynski	28	Ram D. Gopal
55	Douglas R. Vogel	44	Jane Webster	35	Anitesh Barua	28	Sarv Devaraj
55	EWT Ngai	44	Lorin M. Hitt	35	Balasubramaniam Ramesh	28	Vijay Gurbaxani
55	Geoff Walsham	44	PYK Chau	35	Dale L. Goodhue	27	Ephraim R. McLean
55	Richard Baskerville	44	Ting P. Liang	35	E. Burton Swanson	27	Sue Brown
55	Viswanath Venkatesh	43	Ron Weber	35	Gordon B. Davis	27	Sunil Mithas
54	Matthias Jarke	43	V. Sambamurthy	35	John C. Henderson	27	Ulrike Schultze
53	Michael J. Shaw	42	Richard J. Boland, Jr.	35	P K. Kannan	26	J.P. Shim
52	Hugh J. Watson	42	Ron Weber	35	Qing Hu	26	Peter Fettke
52	John C. Mingers	41	BCY Tan	35	Steven Alter	26	R. Brent Gallupe
52	Kevin Crowston	41	Daniel Dajun Zeng	35	Sudha Ram	25	Gary J. Koehler
52	Sirkka L. Jarvenpaa	41	Henry C. Lucas, Jr.	34	Ann Majchrzak	25	Mary J. Culnan
51	David Gefen	41	Iris Vessey	34	Carol S. Saunders	25	Robert W. Blanning
51	Foster Provost	41	Kar Y. Tam	34	Dennis Galletta	21	Samir Chatterjee
49	Colette Rolland	41	Sundeep Sahay	34	Eileen M. Trauth	20	Matthew R. Jones