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 25 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 Python program was developed to automatically query Google Scholar and obtain the h-index for each scholar via a combination of predefined rules. If a given scholar does not have a Google Scholar profile, we used 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. Selected results were manually checked to verify correctness. Our effort yielded 174 scholars with h-index of at least 25. Given the latest official number of AIS members in 2017 (i.e., 4,329), this number accounts for almost 4% of the AIS members.

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 Riley McIsaac at the University of Arizona, *ailab@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 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 Riley McIsaac at the University of Arizona, ailab@eller.arizona.edu.

H-Index for Management Information Systems (January 2019)

H-Index	Name	H-Index	Name	H-Index	Name
96	Hsinchun Chen	52	William R. King	38	Steven Alter
93	Andrew Whinston	52	Keng L. Siau	38	Carol S. Saunders
88	Izak Benbasat	51	Mary C. Lacity	38	Eileen M. Trauth
88	Thomas H. Davenport	51	Jane Webster	38	Chrisanthi Avgerou
85	Varun Grover	51	George Wright	38	Michael Chau
85	Kalle J. Lyytinen	51	Brian Fitzgerald	38	Rahul Telang
78	Jay F. Nunamaker, Jr.	50	Eric K. Clemons	38	Jason Thatcher
77	Ronald E. Rice	50	Blake Ives	38	Alan R. Hevner
76	Erik Brynjolfsson	50	PYK Chau	37	Veda C. Storey
76	Zahir Irani	50	Colette Rolland	37	Balasubramaniam Ramesh
75	Paul A. Pavlou	49	Soon Ang	37	E. Burton Swanson
72	Kenneth L. Kraemer	49	Lorin M. Hitt	37	John C. Henderson
71	Joseph S. Valacich	48	Ting P. Liang	36	Richard O. Mason
71	Ronald M. Lee	47	Alexander Tuzhilin	36	Lorne Olfman
70	Detmar W. Straub, Jr.	47	Amrit Tiwana	36	Ramesh Sharda
69	Daniel Robey	47	Richard J. Boland, Jr.	36	Anitesh Barua
69	Rudy A. Hirschheim	47	Daniel Dajun Zeng	35	Carsten Sorensen
68	Richard Watson	46	Ann Majchrzak	35	Gurpreet S. Dhillon
67	Viswanath Venkatesh	46	BCY Tan	35	Makoto Nagao
66	Alan R. Dennis	46	Sundeep Sahay	35	Fiona Nah
66	Robert J. Kauffman	46	Paul Benjamin LOWRY	35	Sunil Mithas
66	Wanda J. Orlikowski	45	Enid Mumford	34	Merrill Warkentin
66	M. Lynne Markus	45	Jan Marco Leimeister	34	Sarv Devaraj
65	Rob Kling	45	Maryam Alavi	33	Gordon B. Davis
65	Jonathan Grudin	45	Michael D. Myers	33	Sid L. Huff
65	Sue Newell	44	Patrick Fan	33	Jan Pries-Heje
65	Thompson Teo	44	Gert-Jan de Vreede	33	Anne P. Massey
64	Mark Keil	44	Stuart E. Madnick	33	Guy G. Gable
63	Ritu Agarwal	44	Benn R. Konsynski	33	Alain Pinsonneault
63	EWT Ngai	43	Ron Weber	33	Allen S. Lee
62	Gary A. Klein	43	Iris Vessey	33	Elena Karahanna
61	Robert W. Zmud	43	Dorothy E. Leidner	33	J. Daniel Couger
61	Richard Baskerville	43	Suzanne Rivard	33	Stefan Klein
61	Matthias Jarke	43	Jason Dedrick	32	Michael J. Earl
60	Sirkka L. Jarvenpaa	43	Robert M. Davison	32	Ephraim R. McLean
60	N Venkatraman	43	Upkar Varshney	32	J. Leon Zhao
59	H. Raghav Rao	42	Vallabh Sambamurthy	32	Hee-Woong Kim
58	John C. Mingers	42	Joey F George	32	James J. Jiang
58	Kevin Crowston	42	Peter Weill	31	Hemant K. Bhargava
57	Clyde W. Holsapple	42	John Leslie King	31	Christian Wagner
57	Geoff Walsham	41	David Avison	31	G. Lawrence Sanders
57	Michael J. Shaw	41	Abraham Seidmann	31	Ram D. Gopal
57	Hugh J. Watson	41	Joe Peppard	31	Sue Brown
57	Robert D Galliers	41	Fred D Davis	31	Bin Gu
57	Arun Rai	41	James Thong	31	Peter Fettke
56	David Gefen	40	Tridas Mukhopadhyay	30	Frank F. Land
56	Foster Provost	40	P K. Kannan	29	Dale L. Goodhue
56	Helmut Krcmar	40	William J. Kettinger	29	John F. Rockart
55	KK Wei	40	Daniel E. O'Leary	29	J.P. Shim
55	Qing Hu	40	Rajiv Sabherwal	28	Robert W. Blanning
55	Henry C. Lucas, Jr.	40	Sandra A. Slaughter	28	Mary J. Culnan
55	Matthew K O Lee	40	Yair Wand	27	Gary J. Koehler
55	Ramayya Krishnan	39	Sudha Ram	27	Ulrike Schultze
54	Kar Y. Tam	39	Dennis Galletta	27	Vijay Gurbaxani
54	Alok Gupta	39	France Belanger	26	Sinan Aral
53	Ee P. Lim	39	Juhani Iivari	25	Jane Fedorowicz
52	Albert L. Lederer	38	Tosiyasu L. Kunii	25	K. D. Joshi
52	Robert O. Briggs	38	Douglas R. Vogel	25	Matthew R. Jones