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## NEIL THOMPSON

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<b>ACADEMIA</b>	<b>Research Scientist, MIT Computer Science &amp; A.I. Lab</b>	2018 –
	▪ Previously, Associate Member (2016-2018)	
	<b>Principal Investigator, MIT Initiative on the Digital Econ.</b>	2017 –
	<b>Visiting Professor, Harvard Lab for Innovation Science</b>	2017 – 2019
	<b>Assistant Professor, MIT Sloan School of Management</b>	2013 – 2018
	▪ Teaching: Competitive Strategy (Rating: 4.7/5.0)	
	▪ Teaching: Running Business Experiments (Rating: 4.7/5.0)	
<b>EDUCATION</b>	<b>PhD in Business &amp; Public Policy</b> (Berkeley, Haas)	2007 – 2012
	▪ PhD Minor: Computational Science and Engineering	
	<b>Masters in Statistics</b> (Berkeley)	2010 – 2012
	<b>Masters in Computer Science</b> (Berkeley)	2008 – 2012
	<b>Masters in Economics</b> (London School of Economics)	2003 – 2004
	<b>Bachelors in Economics / Int'n Development</b> (Queen's)	1997 – 2001
	<b>Bachelors in Physics</b> (Queen's)	1997 – 2000
<b>BUSINESS</b>	<b>Lawrence Livermore National Laboratory</b>	2008
	▪ Work on next-generation nuclear power and on technology transfer	
	<b>Bain and Company</b>	2004 – 2007
	Senior Associate Consultant (UK, South Africa & Australia)	
	▪ Advised corporate leaders of FTSE 100 companies	
	▪ Led a group of 10+ in a multi-million dollar improvement program	
<b>ACTIVITIES</b>	<b>Council on Competitiveness</b> – Advanced Computing Initiative	2019
	<b>National Academies Panel</b> – Signals of Trust in Scientific Comm.	2018
	<b>National Academies Panel</b> – Transformational Tech. Advances	2017
	<b>Algorithm-Wiki.org</b> – Crowdsourced algorithm database (Founder)	2017
	<b>Government Advisory</b> – Future of Moore's Law	2016
	<b>Gates Foundation</b> – Facilitator, Product Development Workshop	2017

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## SELECTED RESEARCH

**MOORE'S LAW & COMPUTING PERFORMANCE** **There's Plenty of Room at the Top: What will drive computer performance after Moore's Law ends?** *Science*  
Charles Leiserson Neil Thompson Joel Emer Bradley Kuszmaul Butler Lampson Daniel Sanchez Tao Schardl

**The Decline of Computers as a General Purpose Technology**  
Neil Thompson Svenja Spanuth *Forthcoming, Communications of the ACM*  
▪ Basis of new public-private partnership proposal to the NSF

**The Computational Limits of Deep Learning** *In review, NeurIPS*  
Neil Thompson Kristjan Greenewald Keeheon Lee

**How fast do algorithms improve?** *In review, Nature*  
Yash Sherry Neil Thompson

**TOOLS & INNOVATION** **Gene synthesis allows biologists to source genes from farther away in the tree of life** *Nature Communications*  
Aditya Kunjapur Philipp Pfingstag Neil Thompson

**Science is shaped by Wikipedia: Evidence from a Randomized Control Trial** *In review, AEJ: Applied Economics*  
Neil Thompson Douglas Hanley

**EXECUTING ON INNOVATION & STRATEGY** **The Future of Innovation Isn't (Just) Open** *Sloan Management Review*  
Neil Thompson Didier Bonnet Ines Ye

**How Corporations Source Innovation** *In Review, Research Policy*  
Neil Thompson Didier Bonnet Sarah Jaballah

**FUNDING** 9 grants, totaling ~\$1,300,000

**AWARDS**

Best Paper, DRUID conference	2018
Best Case Award for "Bringing New Technology to Market" (EFMD)	2018
#3 most-downloaded paper, Q3 2017 (SSRN)	2017
Wharton Reimagine Education: Stars Hybrid Learning Bronze Award	2016
Best paper finalist, DRUID Conference	2016
An Academy of Management "Best Paper" award	2012
Robert Noyce Fellowship	2011 – 2012
Winner, Greatest Team Impact for the Client (Bain & Company)	2012
British Council Chevening Scholar	2003 – 2004