

Curriculum Vitae - July, 2021  
**Dr. Vaarun Vijairaghavan**

Haskayne School of Business  
University of Calgary  
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**ACADEMIC APPOINTMENTS**

**Haskayne School of Business, University of Calgary**

Assistant Professor, Business Technology Management Jul 2021 - Present  
Instructor (Full-time Faculty), Management Information Systems Aug 2014 - Sep 2016

**EDUCATION**

**Doctor of Philosophy (Ph.D.)** Jul 2021  
University of Calgary, Calgary, Alberta, Canada

Major - Business Technology Management  
Minor - Accounting  
Thesis Title - How Should Information Technology be Regulated?  
Supervisor - Dr. Barrie R. Nault

**Master of Business Administration** Apr 2009  
Schulich School of Business, York University, Toronto, Ontario  
Major - Management Consulting

**Developing and Sourcing Information Systems Course** Dec 2005  
Tepper School of Business, Carnegie Mellon University, Pittsburgh, PA  
Course Instructor - Dr. Sandra Slaughter

**Bachelor of Engineering** May 2003  
University of Pune, Pune, Maharashtra, India  
Major - Computer Engineering

**RESEARCH INTERESTS**

Economics of Information Systems, Economics of Data Analytics, Data Portability, Institution Design, Incentives and Investments in Networks, Platforms, Security and Privacy, IT Productivity, IT and Firm Costs and Revenues

**WORKING PAPERS AND WORKS IN PROGRESS**

*Vijairaghavan, V., Nault, B.R., and Hidaji, H. Winner Take All with Data Portability. Under review at *Management Science* (July 2021)*

*Vijairaghavan, V., and Nault, B.R. Intermediated Platforms and Firm Investments. (November 2020)*

*Vijairaghavan, V. Energy Productivity Implications of IT Investments. Working Paper (January 2021)*

*Jafri, R., and Vijairaghavan, V. Information Technology and Accruals. Working Paper (September 2019)*

*Vijairaghavan, V., and Nault, B.R. IT and Firm Costs. Work in progress (April 2020)*

## CONFERENCE PROCEEDINGS AND PRESENTATIONS

Vijairaghavan, V. How Should Information Technology be Regulated. *International Conference on Information Systems (ICIS) Doctoral Consortium*, online, December 2020. (refereed)

Vijairaghavan, V. Intermediated Platforms and Firm Investments. *University of California, Merced*, September 2020. (invited)

Vijairaghavan, V. Winner Take All with Data Portability. *University of Calgary, Industry Advisory Committee (IAC)*, April 2020. (invited)

Vijairaghavan, V., Nault, B.R., and Hidaji, H. Winner Take All with Data Portability. *Workshop on Information Systems and Economics (WISE)*, Germany, December 2019. (refereed)

Vijairaghavan, V., and Nault, B.R. Intermediated Platforms and Firm Investments. *Proceedings of the 2019 INFORMS Conference on Information Systems and Technology (CIST)*, Seattle WA, October 2019. (refereed)

Vijairaghavan, V., and Nault, B.R. IT and Firm Costs. *INFORMS Annual Meeting*, Seattle WA, October 2019 (invited)

Vijairaghavan, V., and Nault, B.R. Intermediated Platforms and Firm Investments. *Proceedings of the 2018 Conference on the Digital Economy (CODE)*, Puducherry, India, December 2018 (refereed)

## OTHER PUBLICATIONS

Vijairaghavan, V., Shah, D., Galgali, P., Shah, A., Shah, N., Srinivasan, V., and Bhatia, L. (2007). Marking technique to isolate boundary router and attacker. *Computer*, 40(2), 54-58.

Katiyar, M., Vijairaghavan, V. (2007). Isolate and resolve memory leaks using MALLOCDEBUG on AIX Version 5.3. IBM Developerworks. <https://www.ibm.com/developerworks/aix/library/au-mallocdebug.html>

## PROFESSIONAL EXPERIENCE

**Product Marketing Manager**, *Smart Technologies* Feb 2011 - May 2014  
Calgary, Alberta, Canada.

Led global launch of new \$6M productivity solutions targeted at Fortune 500 customers. Worked closely with senior management to build product roadmaps, plans for outbound logistics, and a plan to move to a subscription based revenue stream

**Sessional Lecturer**, *Management Information Systems* 2013, 2014, 2020  
Haskayne School of Business, University of Calgary, Calgary, Alberta, Canada.

Taught Data Analytics I (Gathering, Wrangling and Analyzing Data in R, with an Introduction to Machine Learning) in Fall 2020 with a mean USRI across categories of 6.38/7, and core MIS courses in 2013 and 2014.

**Consultant**, *Nulli Secundus Inc* May 2009 - Oct 2010  
Calgary, Alberta, Canada.

Provided system integration, enterprise architecture, and information security services for healthcare and government organizations, with a focus on access control and identity management

**Marketing Research Intern**, *Autodesk Inc* Jul 2007 - Jul 2008  
Toronto, Ontario, Canada.

Developed the business case for EcoViz, a new product concept that enables a designer to visualize the impact of design decisions on sustainability. Provided insights to help inform firm investment decisions early in the software development lifecycle

**Product Development Analyst, IBM Software Labs**  
Pittsburgh, PA, U.S.A; Pune, Maharashtra, India.

Jul 2003 - Dec 2006

Identified customer requirements in order to guide software product development. Developed code for bi-annual releases to IBM's Distributed Computing Environment (DCE), a legacy middleware product. Conducted corporate training on technical subjects through IBM's Centre for Competency. Promoted and managed inter-department knowledge sharing with the goal of generating intellectual property

#### **COURSES DEVELOPMENT (UNIVERSITY OF CALGARY)**

Introduction to Management Information Systems - MBA Program Core Course (MGIS 601) 2015 - 2016  
Business Technology Management - MBA Program Core Course (BTMA 601) 2021 - 2022

#### **COURSES TAUGHT (UNIVERSITY OF CALGARY)**

*Data Analytics I - BComm Elective Course (BTMA 431, Online Delivery)* Fall 2020

Content: Gathering, Wrangling and Analyzing Data in R, with an Introduction to Machine Learning  
Teaching Ratings (mean across categories): 6.38/7; Class Size: 39; Sections Taught: 1

*Introduction to Management Information Systems - MBA Program Core Course (MGIS 601)* 2014 - 2016  
Teaching Ratings (mean across categories): 6.16/7; Mean Class Size: 43; Sections Taught: 6

*Introduction to Management Information Systems - BCom Core Course (MGIS 317)* 2012 - 2016  
Teaching Ratings (mean across categories): 5.77/7; Mean Class Size: 52; Sections Taught: 9

*Information Systems in Business - BCom course (MGIS 321)* 2014 - 2016  
Teaching Ratings (mean across categories): 5.91/7; Mean Class Size: 41; Sections Taught: 3

#### **PH.D. COURSES AND TRAINING**

GPA: 3.93/4

Ph.D. Seminar III in Business Technology Management (BTMA 799.03) Winter 2018  
Econometrics II (ECON 715) Winter 2018  
Advanced Topics in Economics-Based Financial Accounting & Tax Research (ACCT 797) Winter 2018  
Advanced Seminar in BTMA (BTMA 797) Winter 2018  
Research Methods I (ECON 691) Fall 2017  
Econometrics I (ECON 615) Fall 2017  
Ph.D. Seminar II in Business Technology Management (BTMA 799.02) Fall 2017  
Theory Development (MGST 794) Fall 2017  
Research Development (MGST 792B) Summer 2017  
Research Development (MGST 792A) Spring 2017  
Industrial Organization (ECON 667) Winter 2017  
Topics in Management Studies (MGST 799) Winter 2017  
Seminar in Managerial Accounting (ACCT 799.02) Winter 2017  
Ph.D. Seminar I in Business Technology Management (BTMA 799.01) Winter 2017  
Microeconomic Theory (ECON 657) Fall 2016  
Multivariate Analysis in Management (MGST 773) Fall 2016  
Special Topics in Software Engineering (SENG 607) Fall 2016  
Seminar in Financial Accounting (ACCT 799.01) Fall 2016

Math Camp - A Mathematics Review for Incoming Graduate Students in Economics	Fall 2016
Instructional Skills Workshop - Taylor Institute for Teaching and Learning	Fall 2018

**SERVICE**

<b>Reviewer</b> , <i>Information Systems Research</i>	2021
<b>Reviewer</b> , <i>Information Technology and Management</i>	2020
<b>Panel Discussant</b> , <i>Doctoral Association for Students of Haskayne (D.A.S.H), University of Calgary</i> Topic: Course Selection for New Ph.D. Students	Sep 2019
<b>Guest speaker</b> , <i>Doctoral Association for Students of Haskayne (D.A.S.H), University of Calgary</i> Topic: Ph.D. Field of Study Workshop	May 2019
<b>Reviewer</b> , <i>The 2017 International Conference on Information Systems (ICIS)</i>	2017
<b>Course Coordinator</b> , <i>BCom MIS Core Course (MGIS 317), Haskayne School of Business</i> Coordinated the core MIS 317 course across six sections and three instructors ensuring consistency across sections in terms of content and testing	2015
<b>Supervisor</b> , <i>Case Competition Graduate Team, Haskayne School of Business</i> Supervised graduate students at the Hilti Innovation Challenge 2015, entered finals in Kuala Lumpur (travel sponsored by Hilti) after multiple rounds of competition. The team won job offers from Hilti	2015
<b>Faculty volunteer</b> , <i>Haskayne United Way Campaign Committee, Haskayne School of Business</i>	2014
<b>Guest lecture</b> , University of Pune, India Topic: Technical Skills for the Current Market	2012

**SCHOLARSHIPS AND AWARDS**

Dean's Doctoral Scholarship (Open Scholarship Competition, C\$15000), University of Calgary	2020-2021
Alberta Graduate Excellence Scholarship (AGES) (C\$15,000), University of Calgary	2019-2020
Paramount Resources Ltd Graduate Scholarship (C\$6,000), University of Calgary	2019-2020
Faculty of Graduate Studies Scholarship (C\$1,200), University of Calgary	2019
International Student Merit Scholarship (C\$5,000), York University	2007
Best of IBM Award, IBM Software Labs	2005
IBM Subject Matter Expert on Communication	2005
Best of IBM Award (Most Valuable Trainer), IBM Software Labs	2004

**MEMBERSHIPS**

Institute for Operation Research and the Management Sciences (INFORMS)	2016-present
Association for Information Systems (AIS)	2019-present
Industry Advisory Council, Haskayne School of Business, University of Calgary	2014-2016

**CONFERENCES ATTENDED**

INFORMS Conference on Information Systems and Technology (CIST), Online	November 2020
Theory of Economics in Information Systems (TEIS), Online	March 2020
Workshop on Information Systems and Economics (WISE), Munich, Germany	December 2019

INFORMS Annual Meeting, Seattle, WA	October 2019
INFORMS Conference on Information Systems and Technology (CIST), Seattle, WA	October 2019
Theory of Economics in Information Systems (TEIS), Vancouver, BC, Canada	March 2019
Conference on the Digital Economy (CODE), Puducherry, India	December 2018
INFORMS Conference on Information Systems and Technology (CIST), Phoenix, AZ	November 2018
INFORMS Conference on Information Systems and Technology (CIST), Houston, TX	October 2017
INFORMS Conference on Information Systems and Technology (CIST), Nashville, TN	November 2016
Canadian Operations Research Society (CORS), Banff, Alberta, Canada	May 2015
Theory of Economics in Information Systems (TEIS), Banff, Alberta, Canada	Mar 2015

#### ADDITIONAL INFORMATION

Citizenship - Canada

Excellent command of English and knowledge of Hindi, Marathi and Tamil

Mountaineer with ski touring and rock climbing experience of classic routes in the Canadian Rockies

#### REFERENCES

##### **Dr. Barrie R. Nault - Supervisor**

Distinguished Research Professor  
Business Technology Management (BTM)  
Haskayne School of Business  
University of Calgary  
403-220-2742  
nault@ucalgary.ca

##### **Dr. Raymond Patterson - Committee Member**

Professor, Area Chair  
Business Technology Management (BTM)  
Haskayne School of Business  
University of Calgary  
403-220-4276  
raymond.patterson@ucalgary.ca

##### **Dr. Mark Anderson - Committee Member**

Associate Professor, Accounting  
Richard F. Haskayne Chair in Accounting  
Haskayne School of Business  
University of Calgary  
403-220-3926  
andem@ucalgary.ca