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## BIOSKETCH

<b>Parvati Dev, Ph.D., FACMI</b>	CEO, SimTabs LLC (DUNS 076199036)
eRA COMMONS USER NAME: parvatidev	

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### EDUCATION

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Indian Institute of Technology, Kharagpur, India	B.Tech (Hon)	1968	Electronics & ElecCommEng
Stanford University, Stanford, CA	M.S.	1969	Electrical Engineering
Stanford University, Stanford, CA	Ph.D.	1975	Electrical Engineering

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### PERSONAL STATEMENT

Dr. Dev is CEO of SimTabs LLC, a company developing leading edge immersive technologies for healthcare education. She started her entrepreneur career after 18 years at Stanford University as Founder/Director of the SUMMIT lab, focused on learning technologies for medicine, where she pioneered digital media technologies for education. The SUMMIT Lab was a must-visit site for national and international researchers in e-learning, simulation and medical visualization. The lab's innovative work was recognized by two awards, the Satava award for virtual reality in medicine, and the CENIC award for research applications of high-performance networks. With her company, Dr. Dev seeks to bring simulation-based learning tools out of the research environment and into daily use in hospitals and clinics around the world.

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### RECENT POSITIONS

1990–2008 Director, SUMMIT Lab, Stanford University School of Medicine (Research in e-learning)  
2002-2004 Associate Dean, Learning Technologies, Stanford University School of Medicine  
2008-2018 President, Innovation in Learning Inc.  
2014- CEO, SimTabs LLC

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### HONORS AND AWARDS

1996- Elected Fellow, American College of Medical Informatics  
2002 Satava Award, Medicine Meets Virtual Reality  
2002-2004 President, Board of Directors, IIT Foundation (charitable organization)  
2007 CENIC award for Innovation in Networking, jointly with N. Ontario School of Medicine  
2009- Distinguished Visiting Scholar, MediaX, Stanford University  
2011 Honored Woman, by Indian-American Women Empowered Society  
2011-2012 Grand Prizes, Federal Virtual Worlds Challenge, with Wm.LeRoy Heinrichs  
2017 Distinguished Service Award, Indian Institute of Technology, Kharagpur  
2018 Multiple awards for ASA SimSTAT anesthesia crisis simulation, developed for ASA

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### RECENT OFFICES

2014- Invited representative at Global Network for Simulation in Health  
2015-2016 Member, Advisory group, Simnovate International Summit, Montreal, May 2016  
2015-2019 Member, International Advisory Group for SESAM's flagship journal "Advances in Simulation".  
2018- Founding Member and Advisory Board, IIT-IIT (IITians for Influencing India's Transformation)  
2021- Advisor and Board Member, Open Health Systems Laboratory

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### BUSINESS EXPERIENCE

1982-1989 Vice-president and other executive positions at CEMAX, Inc. Built its initial product portfolio.  
2008-2019 President, Innovation in Learning Inc.  
2014- CEO, SimTabs LLC

## **SIGNIFICANT PUBLICATIONS**

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- Heinrichs WL, Youngblood P, Harter P, Kusumoto L, Dev P. Training healthcare personnel for mass casualty incidents in a virtual emergency department: VED II. *Prehosp Disaster Med* 25:424–432, 2010.
- Dev P, Heinrichs WL, Youngblood P. CliniSpace: a multiperson 3D online immersive training environment accessible through a browser. *Stud Health Technol Inform*. 2011;163:173-9.
- Kaufman M, Dev P. Application of Multiplayer Game Technology to Team Based Training of Medical First Responders. *I/ITSEC*, 2005.
- Heinrichs WL, Bauman E, Dev P. SBAR 'Flattens the Hierarchy' Among Caregivers. *Stud Health Technol Inform*. 2012;173:175-82.
- Shubeck, Germany-Schubeck, Craig, Dev, Hu, Koch, & Heinrichs: VCAEST: Training Facilitated by an ITS embedded in a Virtual World. Poster at Society for Computers in Psychology, Toronto, November 14, 2014
- Ahlqvist JB, Nilsson TA, Hedman LR, Dessler TS, Dev P, Johansson M, Youngblood PL, Cheng RP, Gold GE. A randomized controlled trial on 2 simulation-based training methods in radiology: effects on radiologic technology student skill in assessing image quality.
- McGrath JL, Taekman JM, Dev P, Danforth DR, Mohan D, Kman N, Crichlow A, Bond WF. Using Virtual Reality Simulation Environments to Assess Competence for Emergency Medicine Learners. *Acad Emerg Med*. 2017 Sep 9. doi: 10.1111/acem.13308. [Epub ahead of print]
- Lineberry M, Dev P, Lane HC, Talbot TB. Learner-Adaptive Educational Technology for Simulation in Healthcare: Foundations and Opportunities. *Simul Healthc*. 2018 Jun;13(3S Suppl 1):S21-S27.
- More complete publication lists available at Google Scholar and ResearchGate (search “Parvati Dev”)

## **BOOK CHAPTERS**

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- Computers in Medical Education, P Dev, EP Hoffer, GO Barnett, chapter in “Medical Informatics: Computer Applications in Health Care and Biomedicine”. EH Shortliffe, LE Perrault, G Wiederhold, LM Fagan (eds). Second edition, Springer, pp 610-637, 2000.
- Computers in Medical Education, P Dev, EP Hoffer, GO Barnett, chapter in “Biomedical Informatics: Computer Applications in Health Care and Biomedicine (Health Informatics)”. EH Shortliffe, JJ Cimino (eds). Third edition, Springer, 2006.
- Computers in Health Sciences Education, P Dev, TKL Schleyer, chapter in “Biomedical Informatics: Computer Applications in Health Care and Biomedicine (Health Informatics)”. EH Shortliffe, JJ Cimino (eds). Fourth edition, Springer, 2012.
- Digital Technology in Health Science Education, P Dev, TKL Schleyer, chapter in “Biomedical Informatics: Computer Applications in Health Care and Biomedicine (Health Informatics)”. EH Shortliffe, JJ Cimino (eds). Fifth edition, Springer, 2021, pp 841-865.
- Intelligent Systems in Learning and Education, V Patel, P Dev, chapter 16 in “Intelligent Systems in Medicine: The Role of AI”. TA Cohen, V Patel, EH Shortliffe (eds), Springer, 2022, Pp 449-475.
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