

OUSSAMA KHATIB

Professor of Computer Science
Director of the Robotics Laboratory
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Education

Ph.D. (Automatique et Système), Sup'Aero, Toulouse, France, 1980.
Diplôme de Spécialisation (Automatique Avancée), Sup'Aero, Toulouse, France, 1976.
M.S. (Électronique, Électrotechnique et Automatique), Université de Montpellier, 1974.
B.S. (Science) Université de Montpellier, France, 1972.

Experience

Professor (2000–present) of Computer Science and (*by courtesy*) Mechanical Engineering, Stanford University.
Associate Professor (1990–1999) of Computer Science and (*by courtesy*) Mechanical Engineering, Stanford University.
Director, The Stanford Computer Forum (1997–1999), Stanford University.
Visiting Professor: University of Tokyo (2014); EPFL, Lausanne, Switzerland (1996); National University of Singapore (97/02/05/09/14/17); EPFL, Lausanne, Switzerland (1996); Paris VI, France (1994/2009); Scuola Superiore S. Anna, Pisa, Italy (1992/2007).
Senior/Research Associate (1982–1989), Computer Science Department, Stanford University.

Professional Activities

President IFRR, International Foundation of Robotics Research (2001, present)
French Prime Minister Strategic Research Council, Member (2013, present)
Special Advisor to NRF, Singapore National Research Foundation, of Singapore (2014-present)
BBVA Frontiers of Knowledge Awards Jury (2008-present)
IEEE-RAS VP of Conference Activity Board, CAB (2014, present)
Academic Advisory Board, Asian Institute of Technology, AIT (2001-2005)
Scientific Advisory Board, B-IT, Bonn Int. Center for Information Technology (2004-present)
Scientific Advisory Board, Italian Institute of Technology, IIT (2007-present)
Advisory Board Chair, Advanced Robotics Center, NUS, Singapore (2014-present)
Advisory Board Chair, Antal Bejczy Center for Intelligent Robotics, Obuda, Budapest (2014-present)
Advisory Board, Robotics Challenge, Khalifa University (2014-present)
Scientific Board, co-Chair IEEE-RAS/IFRR School of Robotics Science (2004, 2013)
Editor, Handbook of Robotics, Springer
Editor, Springer Tracts in Advanced Robotics, STAR (2002–present)
Co-Editor-in-Chief, International Journal of Social Robotics (2014,present)
AdCom Elected Member, IEEE Robotics and Automation Society (1998-2000),(2001-03), and (2011-2014)

Honors and Awards

Elected to the National Academy of Engineering, NAE, 2018

Rudolf Kalman Award, 2017

IEEE Technical Field Medal in Robotics and Automation, for contributions to the development of robot control and human - centered and humanoid robotics, and leadership in the robotics community, 2017

IEEE RAS George Saridis Leadership Award in Robotics and Automation, in recognition of his vision and leadership in introducing and nurturing important innovations in conferences in robotics and automation. 2014

IEEE RAS Distinguished Service Award in recognition of his vision and leadership for the Robotics and Automation Society, in establishing and sustaining conferences in robotics and related areas, publishing influential monographs and handbooks and training and mentoring the next generation of leaders in robotics education and research. 2013

Doctor Honoris Causa of Obuda University Budapest, Hungary, November 2012

IEEE RAS Pioneering Award, for fundamental pioneering contributions in robotics research, visionary leadership, and life-long commitment to the field in 2010.

Jury, BBVA Foundation Frontiers of Knowledge Award in the Information and Communication Technologies, 2009-present

PROSE Awards for Excellence in Physical Sciences & Mathematics, and for Engineering & Technology, Springer Handbook of Robotics, American Association of Publishers, 2009.

Honorary Professor, De La Salle University, Manila, Philippines, 2005.

Honorary Citizen of Budapest Tech, 2004.

IEEE Fellow, 2003.

Honorary Professor, HIT, Harbin, China, 2002.

Distinguished Lecturer, IEEE (1997-2005).

The JARA Award, Japan Robot Association, Award in Research and Development, 1996.

Recent Keynote and Plenary Presentations

IFAC CAMS2018 conference, Opatija, Croatia, September 2018

ASET Conference, Dubai, UAE, March 2018

International Symposium on Human-Centered Robotics, Shanghai, July 2018

Symposium on the Future of Biorobotics, RomeCup2018, Rome, April 2018

World Robotics Conference, WRC 2018, Beijing, China, August 2018

Digital Transformation and Smart Systems, DTSS 2018, Ankara, October 2018

IEEE Int. Conf. Artificial Intelligence and Virtual Reality (AIVR 2018) Dec 2018

ARSO 2017, The next 50 Years of Robotics, Austin, Texas, March 2017

RobotYx 2017, Yverdon-les-Bains, Switzerland, May 2017

IEEE Int. Conf. Robotics and Automation, ICRA-X, Singapore, June 2017

CCF-GAIR 2017, Shenzhen, China, July 2017

Nit de la Robotica, Barcelona, Spain, July 2017

Int. Conf. on Intelligent Robotics and Automation, Wuhan, China, Aug 2017

World Robotics Conference, WRC 2017, Beijing, China, August 2017

IEEE Int. Conf. Intelligent Engineering Systems, Larnaca, Cyprus, Oct 2017

The Wyss Zurich 2017, Zurich, Switzerland, October 2017

Life and Robotics, Springer—Nature, October 2017

IEEE Day 2017 in Hungary, Rudolf Kalman Celebration, Budapest, Hungary, November 2017

Human Friendly Robotics, HFR, Naples, Italy, November 2017

ROBOT2017 Congress, Sevilla, Spain, November 2017

IEEE Distinguished Ambassador, Cairo, Egypt, December 2017

Int. Workshop on Robotics, Chinese Academy of Engineering, Shenyang, China, August 2017

Congress of the Future, Artificial Intelligence Panel, Santiago, Chile, January 2016

IEEE Distinguished Ambassador Lecture, Cairo University, Egypt, Dec 2016

IEEE International Conference on Real-time Computing and Robotics, June 2016
 RoManSy, Symp. Robot Design, Dynamics, and Control, Udine, Italy, June 2016
 World Robotics Conference, WRC, Beijing, China, October 2016
 Silicon Valley - China VR/AI Forum, Santa Clara, California, August 2016
 Robotics in the 21st Century, Gottingen, Germany, September 2016
 Sagami-hara Forum, Kanagawa Prefecture, October 2016
 IEEE IROS, Hamburg, Germany, October 2015
 IEEE Futurist Forum, Hamburg, Germany, October 2015
 IEEE Citizen Forum, Hamburg, Germany, October 2015
 IEEE Workshop on Advanced Robotics and its Social Impacts (ARSO) Lyon, France July 2015
 Robot Motion and Control, ROMOCO, Poznan, Poland, July 2015
 INNOROBO 2015, Lyon, France, July 2015
 World Robotics Conference, WRC, Beijing, China, November 2015
 Int Conf. on Advanced Robotics, ICAR, Istanbul, Turkey, July 2015
 HNICEM 2015, Cebu, Philippine, December 2015
 IEEE-R10 Humanitarian Technology Conference, HTC 2015
 Int. Forum Engineering Science and Technology Development Strategy, Shenzhen, China, April 2015
 Marine Sensors and Manipulators Workshop, Canary Island, Spain, February 2015
 WEP, KAUST, Jeddah, Saudi Arabia, January 2015
 Anatol Bajcsy 85th Anniversary, Budapest, February 2015
 Bridging Learning and Control Workshop, May 2015
 Fujitsu America Technology Symposium, Santa Clara, June 2015
 Global Collaborative Research, GCR Programs, KAUST, April 2014
 Robotics Collegium, CSIRO Brisbane, October 2014
 International Conference on Mechatronics and Control , ICMC, Jinzhou, China, May 2014
 International Conference on Robotics and Automation, ICRA, Hong Kong, June 2014
 Workshop on Algorithmic Foundation of Robotics, WAFR. Istanbul, Turkey, August 2014
 Workshop on Advanced Robotics, Munich October 2014
 International Conference on Social Robotics, Sydney, October 2014
 International Conference on Biomedical Engineering, ICBME 2013, Singapore, December 2013
 HRI Robotics Forum at ROBIO, Shenzhen, China, December 2013
 International Symposium on Advanced Robotics, ICAR, Montevideo, Uruguay, Nov, 2013
 IEEE Conferences on CIS and RAM 2013 (CIS-RAM), Manila, Philippines, Nov 2013
 The Uncanny Valley Revisited: A Tribute to Masahiro Mori, IROS 2013, Tokyo, Japan Nov 2013
 International Conference on Advanced Robotics, ICAR, Montevideo, Uruguay Nov 2013
 IEEE International Symposium on Intelligent Systems and Informatics, Subotica, Serbia, Sep 2013
 Int. conference on Instrumentation, Control, Information Technology and System Integration, Nagoya, Nov 2013
 The Irago Conference (AP-IRC), Tahara-City, Aichi, Japan, Nov 2012
 First Arab Conference on Robotics Science, Amman, Jordan, October 2012
 IEEE TENCON, CIBU, Philippines, November 2012
 SYROCO, IFAC Symposium on Robot Control, Dubrovnik, Croatia, September 2012
 MIS, Multi-scale Intelligent Systems, Nagoya, Japan, July 2012
 BioRob, Bio-Robotics, Rome, Italy, June 2012
 MASFOR, 100 Years Anniversary, Bogazici University, Istanbul, June 2012
 Robotics and Performing Arts: Reciprocal influences Workshop, St Paul, Minnesota, May 2012