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## **RESUME**

Full name: Avi Parush  
Identity No. 052908456  
Date and place of birth: August 20, 1954, Israel  
Marital status: Married  
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### **ACADEMIC DEGREES**

1976-1979 B.A., Psychology, Bar Ilan University, Ramat Gan, Israel  
(With highest distinction)  
1979-1981 M.A., Experimental Psychology, McGill University, Montreal, Canada  
Advisor: Prof. Don Donderi  
Thesis: "The relationships among perceived contrast, noise, and content in printed images".  
1981-1984 Ph.D., Experimental Psychology, McGill University, Montreal, Canada  
(Dean's Honor List)  
Advisor: Prof. David Ostry  
Thesis: "Movement organization in speech production: implications from studies of coarticulation".

### **ACADEMIC APPOINTMENTS**

2013 – present *Technion - Israel Institute of Technology, Faculty of Industrial Engineering and Management*  
Position: Associate professor  
2016-present *Department of Psychology, Carleton University, Canada*  
Professor Emeritus (from July 2016)  
2012-present *Adjunct professor, School of Nursing, Queen's University, Canada*  
2013- 2016 *Department of Psychology, Carleton University, Canada*  
Position: Full Professor  
Cross appointments: School of Industrial Design, Institute of Cognitive Science, The Human-Computer Interaction program  
2012-2013 *Adjunct professor, Industrial Management and Engineering, Ben Gurion University, Israel*  
2004 -2012 *Department of Psychology, Carleton University, Canada*  
Position: Associate Professor (Tenured January 2007)  
Cross appointments: School of Industrial Design, Institute of Cognitive Science

### **PROFESSIONAL EXPERIENCE**

1990-2003 *HIT Human Interface Technologies Ltd.*  
Position: Owner and principal consultant  
*Scitex Corporation Ltd., Corporate R & D,*  
Human Factors Engineering Group  
Position: Group Manager.

1987-1990 *Israel Defense Forces (IDF)*  
Position: Human Factors Engineering Consultant

1987-1988 *PAMAM Ltd., Israel*  
Position: Human Factors Engineering Consultant

1984-1987 *Israel Aircraft Industries (IAI) Ltd., Human Factors Engineering Department*  
Position: Human Factors Engineer

1983-1984 *Human Factors North, Inc., Canada*  
Position: Technical Associate

### **PUBLIC PROFESSIONAL ACTIVITIES**

2021 - Member of the program committee of the INCOSE HSI 2021 conference  
- Member, International Advisory Board, Foundation for Professional Ergonomics

2020 - Member of the Technical Program Committee of the Human Factors and Ergonomics Association Annual Meeting, and chair of the Practitioner Track  
- Member of the Technical program Committee of the International Virtual Workshop on Human System Integration in the Era of Global Crises: Challenges and Opportunities. Sponsored by INCOSE-HIS WG

2019 Member of the Technical Program Committee of the Conference on Spatial Information Theory  
-Member of the program committee of the International Conference on Healthcare Informatics  
- Member of the Technical Program Committee of the Human Factors and Ergonomics Association Annual Meeting, and chair of the Practitioner Track

2018 - Member of the Technical Program Committee of the Human Factors and Ergonomics Association Annual Meeting, and chair of the Practitioner Track  
-Co-organizer of the annual IsraHCI meeting (the Israeli Annual Meeting on Human-Computer Interaction)  
- Member of the program committee, International Symposium of Human Factors in Healthcare

2017 - Member of the program committee, International Symposium of Human Factors in Healthcare  
-Member of the program committee of the International Conference on Healthcare Informatics  
- Chair of the Israeli Ergonomics and Human Factors Society  
- Chair and organizer of the annual conference of the Israeli Ergonomics and Human Factors Society

2016 - Member of the program committee, International Symposium of Human Factors in Healthcare  
-Member of the program committee of the International Conference on Healthcare Informatics

2015 - Chair of the Israeli Ergonomics and Human Factors Society  
- Member of the program committee, International Symposium of Human Factors in Healthcare  
-International Program Committee for Interact2015

Editor or member of editorial board of scientific or professional journal

- 2021 - Present Associate Editor – Applied, Human Factors in Healthcare
- 2020 – Present Topic co-editor of a Research Topic on “Human factors in data-driven connected health technologies”, Frontier in Big Data – Medicine and Public Health.
- 2020 – 2021 Guest co-editor of a special issue on “Visualizing User Experience and Stories: From Customer Journeys to Patient Experience Maps”, Journal of Knowledge Management & E-Learning
- 2019 Editorial Advisory Board member, International Journal of Healthcare Governance
- 2014 - present Editorial board member, Human Factors journal
- 2005 – 2010 Founder and editor-in-chief of the Journal of Usability Studies
- 2008 Guest co-editor of a special issue on Simulators in Engineering Education, International Journal of Engineering Education

**RESEARCH GRANTS**

- 2021-2022 NSF HCC: Medium: GOALI: “Cultural Differences in Driving Interaction”, senior sub-contractor in collaboration with PIs prof. Ju and Yang from Cornell-Tech University, USA, and GM as industrial co-PI
- 2020-2021 The Bernard M. Gordon Center for Systems Engineering, “Information declutter and aggregation in augmented reality displays in support of spatial orientation”, a collaborative study with Rafael, (25,000\$)
- 2017-2019 HaPoalim Bank, "Digital Banking – Influence of Customer Engagement and Empowerment" (90,000\$).
- 2017-2019 The Bernard M. Gordon Center for Systems Engineering, “Implementing Human-System Integration: Training spatial skills for effective teleoperation”. (11,200\$).
- 2016-2018 National Institute for Health Policy. “Influence of real-time personal procedural information on patient experience, perception of justice, and interruptions”. (139,595NIS); Co-PI with Prof. G. Yom-Tov and A. Rafaeli).
- 2016-2017 The Bernard M. Gordon Center for Systems Engineering, “Implementing Human-System Integration: Training spatial skills for effective teleoperation”. (15,000\$).
- 2015-2017 The Ministry of Science, Technology, and Space, Israel. “Real time process transparency and delay information in healthcare services: Theory, Impact, and Applications”. (85,024NIS; Co-PI with Prof. Yom-Tov and Rafaeli).
- 2015-2016 The Bernard M. Gordon Center for Systems Engineering, “Defining and Developing Simulation-based Mechanisms for Team Cognition Priming in Project Front-End-Loading”. (10,000\$).
- 2014-2015 The Clalit Health Services, “The impact of providing personal real-time process information on patient experience, justice and abandonment in emergency departments”. (71,215 NIS; Co-PI with Prof. Yom-Tov and Rafaeli).
- 2014-2018 The European Union, Career Integration Grant, FP7-People-2013 (peer reviewed): “Supporting teams in mass casualty incident management: Empirical and analytic research for optimizing augmentative technology –design methodologies and tools”. (133,821Euro).
- 2014-2015 The Bernard M. Gordon Center for Systems Engineering, “Defining and Developing Simulation-based Mechanisms for Team Cognition Priming in Project Front-End-Loading”. (15,000\$).

- 2014-2015 The Ottawa Hospital Academic Medical Organization, AHSC AFP Innovation Fund (Peer reviewed): “Optimizing emergency department resuscitations using technological cognitive aids: The situational awareness display”. (82,347\$). Co-Lead with Dr. Calder from The Ottawa Hospital, Ottawa, ON, Canada.
- 2013-2015 The Ontario Ministry of Natural Resources, “Produce new Computer Coding to Improve the Visual Quality and Content of Prototype Situational Awareness Simulation Software” (25,000\$).
- 2012-2013 The Ontario Problem Gambling Research Council (OPGRC), Applied Health Research (peer reviewed): “Facilitating responsible gambling through persuasive technology: Using human-computer interaction principles to better monetary limit tools” (42,000\$), Co-PI with Dr. Wohl, Department of Psychology, Carleton University.
- 2012-2013 The Ottawa Hospital Academic Medical Organization, AHSC AFP Innovation Fund (Peer reviewed): “A visual enhancement of Emergency Department team communication: Development of an ED team situational display” (17,721\$). Co- Lead with Dr. Calder from The Ottawa Hospital.