

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

School of Architecture and Planning Faculty Personnel Record

Date: January 2017 Full Name: Joseph A. Paradiso  
Department: Program in Media Arts and Sciences

1. **Date of Birth:** December 20, 1955

2. **Citizenship:** USA  
Immigration Status: N/A

3. **Education:**

<u>School</u>	<u>Degree</u>	<u>Date</u>
MIT	Ph.D. in Physics	May, 1981
Tufts University	BS in Electrical Engineering and Physics	May, 1977

4. **Title of Thesis for Most Advanced Degree:**

*Characteristics of Muon Pair Production in P-P Collisions at Very High Energies as a Probe of Proton Constituents*

5. **Principal Fields of Interest:**

Sensor Networks  
Ubiquitous Computing  
Energy Management in the Built Environment  
Human-Computer Interaction (HCI)

6. **Name and Rank of Other Departmental Faculty in Same Field:** None

7. **Name and Rank of Faculty of Other Departments in Similar Fields:**

8. **Non-MIT Experience (including military service):**

<u>Employer</u>	<u>Position</u>	<u>Beginning</u>	<u>Ending</u>
Draper Laboratory Sensor and Signal Processing Directorate	Technical Staff	4/89	7/94
Swiss Federal Institute of Technology (ETH Zurich) Lab for High Energy Physics	Visiting Scientist	8/92	10/92
Swiss Federal Institute of Technology (ETH Zurich) Lab for High Energy Physics	Visiting Scientist	10/91	12/91
Draper Laboratory Control and Decision Systems Directorate	Technical Staff	2/84	4/89
Swiss Federal Institute of Technology (ETH Zurich) Lab for Nuclear Physics	Postdoc	11/81	12/83
Brookhaven National Laboratory Instrumentation Laboratory	Consulting Physicist	7/81	10/81

Draper Laboratory	Engineering Aide, Summer Staff	6/74	9/77
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**9. History of MIT Appointments:**

<u>Department</u>	<u>Rank</u>	<u>Beginning</u>	<u>Ending</u>
Media Arts and Sciences	Professor	7/15	present
Media Arts and Sciences	Associate Prof. w. Tenure	7/07	7/15
Media Arts and Sciences	Associate Professor	7/02	7/07
Media Arts and Sciences	Principal Research Scientist	7/98	7/02
Media Arts and Sciences	Research Scientist	7/94	7/98
Media Arts and Sciences	Research Affiliate	1/93	7/94
Physics Department	Compton Fellow	9/77	9/80

**10. Consulting Record:**

<u>Firm</u>	<u>Beginning</u>	<u>Ending</u>
Morrison & Foerster LLP (Technical Expert)	10/16	11/16
Gibson, Dunn & Crutcher LLP (Technical Expert)	7/15	5/16
Banner & Witcoff, Ltd (Technical Expert)	8/14	11/14
Weil, Gotshal & Manges LLP (Technical Expert)	7/14	4/16
Moog Music Inc. (organized daylong seminar on research in electronic music at MoogFest 2014)	4/14	4/14
Durie Tangri LLP (Technical Expert)	3/14	present
Samsung Electronics (SRFC Expert Reviewer)	2/14	present
Transitio Mexico City (electronic music seminar series)	10/11	10/11
Nokia Research (visiting researcher at NRC Santa Monica)	7/11	8/11
Swedish Foundation for Strategic Research (expert reviewer)	11/10	12/10
Microsoft (visiting researcher at MSR Cambridge UK)	7/10	8/10
Nokia Research Center Activity Review Panel	12/09	12/09
UPF Barcelona (invited week-long seminar series)	4/09	4/09
Microsoft Corp. (Distinguished ALT-TAB for Mobility)	4/08	5/08
Swedish Foundation for Strategic Research (expert reviewer)	3/08	4/08
A.I.E.P. Milano (Seminar series on computer music)	2/07	2/07
Hermann Miller, Inc.	1/05	8/06
Seneca Corporation (Technology Advisory Board)	7/03	7/04
Synectics, Inc.	7/04	7/04
Swedish Foundation for Strategic Research (onsite evaluation)	5/03	5/03
MediaLabEurope, Dublin	6/01	6/02
Diller and Scofidio (architects)	6/00	6/02
University of Limerick (Ireland), External Examiner for Graduate Program in Interactive Media	9/99	9/04
IBM T.J. Watson Research Center	1/99	7/99
British Telecom	4/97	3/99
Fibersense, Inc. (Technology Board Member)	4/97	4/98
Takata Inc., Automotive Systems Laboratory	11/96	12/96
Boston University Photonics Center	11/95	12/95

Optron Systems, Inc.	12/93	4/94
Lyle Mays, Inc.	5/87	12/90
Draper Laboratory	1/78	6/78

#### 11. Department and Institute Committees, Other Assigned Duties

<u>Activity</u>	<u>Beginning</u>	<u>Ending</u>
MIT 'Engine' Conflict of Interest Working Group	12/17	Present
MIT ACT (Art, Culture, Technology) Faculty Search Committee	9/16	Present
James R. Killian Jr. Faculty Achievement Award Selection Committee	7/15	7/17
Selection Committee Chair	7/16	7/17
Undergraduate Advisor	8/14	present
MIT Committee for Launch of the Capital Campaign	6/14	6/14
Music and Theater Arts Faculty Search Committee	1/14	present
Media Arts and Sciences Faculty Search Committee	11/13	present
MIT CUP (Committee on the Undergraduate Program)	9/12	9/15
MIT Committee on Intellectual Property	9/10	9/16
Media Lab IP Commission Member	1/11	9/12
MISTI Global Seed Funds Proposal Evaluator	10/13	present
2012 d'Arbeloff Alumni Class Funds Review Committee	10/12	12/12
Senior faculty search committee for faculty in Built Environments	6/10	9/11
Director, IPCOM (Media Lab Intellectual Property Committee)	1/10	7/13
Manager, Media Lab 'HowTo' orientation seminar for new RAs	9/09	1/13
2020 Committee: Vision for Shared Materials Facilities	7/08	7/09
Technology Broadcasting Corporation Board Member	1/06	present
Horowitz Award Selection Committee (Dept. of Architecture)	5/04	5/06
Media Lab Intellectual Property Committee (IPCOM)	9/03	05/05
MAS Departmental Committee on Graduate Students	8/03	8/04
Deshpande Center Proposal Reviewer	8/03	9/03
IPCOM (Media Lab Intellectual Property Committee)	11/02	present
Media Arts and Sciences Faculty Search Committee	9/02	6/05
Co-Director, Things That Think Consortium (Media Lab)	7/02	present
MAS Departmental Committee on Graduate Students	8/00	8/01
Technology Director, Things That Think Consortium (Media Lab)	1/96	5/01

**12. Government and Other Outside Committees, Service, etc.:**

<u>Committee</u>	<u>Beginning</u>	<u>Ending</u>
Scientific Evaluator, The Hasler Foundation (Switzerland)	12/15	1/16
TPC member: NextMote workshop at EWSN 2016	9/15	1/16
Judge, Guthman Competition, Georgia Tech Music Dept.	2/15	2/15
Strategies In Light Industrial Conference (Advisory Board)	5/15	5/16
Baylor University (External Proposal Reviewer)	4/14	5/14
Appointment Advisory Committee, Faculty of Radiation Science, TU Delft	4/14	5/14
White House Cities, Counties and States Climate Data Workshop	3/14	3/14
World Bank Workshop on Building Climate and Disaster Resilience through Open Data and Innovation	3/14	3/14
AMI'13 (Intl. Conf. on Ambient Intelligence) TPC	6/13	12/13
Habilitation (HRD) Committee, University Pierre et Marie Curie, (CEA) Paris	12/13	12/13
NSF Workshop on Future Directions in Wireless Networking	11/13	11/13
Board of Advisors - Intel Science and Technology Center for Pervasive Computing (ISTC-PC) at U. Washington	5/13	present
International Advisory Board, Centre for Interdisciplinary Research in Music Media and Technology (CIRMMT), Montreal	5/13	5/14
ESPRC (UK) Proposal Reviewer	12/12	1/13
Scientific Advisory Board for iPack, Swedish Excellence Centre for research and innovation in electronics at KTH	11/12	11/15
NSF Proposal Review Panel	6/12	6/12
NSF Proposal Reviewer	2/12	2/12
European Commission (reviewer for FET projects)	12/11	12/11
NSF Proposal Review Panel	4/11	4/11
Associate TPC Chair for Input Devices Track, CHI 2011 TEI 2011	8/10	3/11
(Intl Conf. on Tangible, Embedded, Embodied Interaction) TPC	6/10	9/10
NIH Workshop on Personal Motion Technologies for Healthy Independent Living	6/10	6/10
Texas Higher Education (Committee to evaluate Proposed Ph.D. in Arts and Technology Degree at UTD)	6/10	6/10
WirelessHealth 2010 TPC	4/10	8/10
Swiss National Science Foundation Proposal Reviewer	12/09	1/10
NSF Workshop on Future Directions in Sensing Systems	11/09	11/09
Associate Editor in Chief, IEEE Pervasive Computing Magazine	4/09	4/15

TPC, BSN (Intl. Conf. on Wearable/Implantable Body Sensor Networks) 2009	1/09	6/09
TPC, ISWC (Wearable Computing Conference) 2009	12/08	9/09
NSF Proposal Review Panel	6/08	6/08
TPC, European Workshop on Sensor Networks (EWSN) '09	5/08	12/08
Guest Editor, IEEE J-SAC Special Issue on BAN (Body Area Networks)	1/08	1/09
IPSN (Intl. Conf. on Information Processing in Sensor Networks) 2008 TPC	8/07	1/08
BodyNets 2008 TPC	7/07	12/07
NSF-IC Power Sources Workshop	4/07	4/07
TPC, ACM MobiEval 2007	2/07	7/07
Editorial Board, ACM/Springer Wireless Networks Journal	2/07	1/09
NSF Workshop on Integrating the Social Sciences into NSF Observatories	1/07	1/07
Co-chair, ISWC 2007 (International Symposium on Wearable Computing)	1/07	10/07
Editorial Board, IEEE Pervasive Computing	9/06	present
Technical Program Committee Co-Chair, The Fourth Workshop on Embedded Networked Sensors (EmNets 2007)	7/06	6/07
Technical Program Committee, Sensor Platform Tools and Design Methods for Networked Embedded Systems (SPOTS), 6 <sup>th</sup> International IEEE Conference on Information Processing in Sensor Networks (IPSN07)	7/05	5/06
Technical Program Committee, Second International ACM Conference on Body Area Networks (BodyNets 07)	12/06	6/07
Technical Program Committee, 3 <sup>rd</sup> IEEE/ACM International Conference On Distributed Computing in Sensor Systems DCOSS'07	10/06	6/07
Technical Program Committee, Fourth International Conference on Networked Sensing Systems (INSS 07)	10/06	6/07
Technical Program Committee, 20 <sup>th</sup> International Conference on Architecture of Computing Systems (ARCS 2007)	7/06	3/07
Technical Program Committee, 4 <sup>th</sup> International Workshop on Wearable and Implantable Body Sensor Networks (BSN 2007)	6/06	5/07
Steering Committee, IEEE International Conference on Wearable and Implantable Body Sensor Networks (BSN)	6/06	present
Proposal Reviewer, Adventure Fund, Innovative Manufacturing & Construction Research Centre Wolfson School of Mechanical & Manufacturing Engineering, Loughborough University, UK	5/06	6/06

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