

## Curriculum Vitae - David Peleg

Department of Computer Science and Applied Mathematics, The Weizmann Institute of Science, Rehovot, Israel.  
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Date of Birth: July 18, 1957.

### Education

**Ph.D.** in Computer Science, the Weizmann Institute of Science, Israel, 1985. Advisor: D. Harel.  
**M.Sc.** in Computer Science (with distinction), Bar-Ilan University, Israel, 1982. Advisor: D. Harel.  
**B.Sc.** in Computer Science (summa cum laude), the Technion, Israel, 1980.

**Research Interests:** Algorithms (particularly graph algorithms and approximation algorithms for NP-hard problems), distributed computing (algorithms, lower bounds, fault tolerance), communication networks (protocols, communication primitives, complexity issues), mobile robot systems.

### Academic Positions

Since 2001: Professor, the Weizmann Institute of Science.  
1992-2001: Associate Professor, the Weizmann Institute of Science.  
1988-1992: Senior Researcher, the Weizmann Institute of Science.  
1987-1988: Post-Doctoral student, Dept. of Computer Science, Stanford University, Stanford, CA.  
1986: Visiting Scientist, IBM Almaden Research Center, San Jose, CA.  
1981-1982: Research assistant, Economics Department, Bar-Ilan University, Ramat-Gan, Israel.

### Teaching Experience

**Graduate Student Supervision:** Advised 12 Ph.D. students and nearly 40 M.Sc. students. Hosted over 10 postdoctoral fellows.

**Current Graduate Students:** Avi Cohen.

**Current Postdoctoral Fellows:** Keerti Choudhary.

**Courses:** Taught graduate level courses on “Theory of Parallel Computing,” “Distributed Computing,” “Seminar on Distributed Computing,” “Communication Networks,” “Coping with NP Hardness,” “Computational Geometry.”

### Professional Activities

Dean, Faculty of Mathematics and Computer Science, the Weizmann Institute of Science, 2010-2019  
Chair, Council of Professors, The Weizmann Institute of Science, 2007-2008

Council Member, European Association for Theoretical Computer Science (EATCS), 2003-2015

Member, Int. Board of Trustees of the Feinberg Graduate School, Weizmann Institute, since 2015

Journal Editor-in-Chief: *Information and Computation* (since 2020).

Journal Editorial Board member: *Networks* (since 2003), *Distributed Computing* (since 2010) *Information and Computation* (2014-2019), *SIAM Journal on Computing* (since 2014), *Discrete Mathematics and Theoretical Computer Science* (1996-2001), *Theoretical Computer Science* (1992-2016), *Parallel Processing Letters* (since 2001).

Journal Special Issue Editor: *Theoretical Computer Science*, special issue of SIROCCO'03 papers, with J. Sibeyn; *Theoretical Computer Science*, special issue of SIROCCO'05 papers, with A. Pelc and M. Raynal.

Advisory Board Member, EATCS--Springer Book Series (Monographs and Texts in TCS), since 2012

Conference Steering Committee chair: *Int. Colloq. on Structural Information and Communication Complexity*, 2000–2006.

Conference Steering Committee member: *ACM Symp. on Principles of Distributed Computing*, 1994–6; *Israel Symp. on Theory of Computing and Systems*, 1994–7; *Int. Workshop on Interconnection Networks*, 1995–8; *Int. Colloq. on Structural Information and Communication Complexity*, since 1998; *Int. Conf. on Distributed Computing and Networking (ICDCN)*, since 2006; *Int. Symp. on Distributed Computing (DISC)*, 2011–2014.

Conference General Chair: *Int. Colloq. on Structural Information and Communication Complexity (SIROCCO)* in 2001, 2002, 2003, 2004; *Int. Conf. on Distributed Computing and Networking (ICDCN)* in 2006.

Conference Program Committee Chair: *13th ACM Symp. on Principles of Distributed Computing (PODC)* in 1994; *3rd Israel Symp. on Theory of Computing and Systems (ISTCS)* in 1995; *5th Colloq. on Structural Information & Communication Complexity (SIROCCO)* in 1998; *Int. Conf. on Current Trends in Theory and Practice of Computer Science (SOFSEM), Track on Foundations of Computer Science* in 2010; *25th Int. Symp. on Distributed Computing (DISC)* in 2011; *40th Int. Colloq. on Automata, Languages and Programming (ICALP) Track C (Foundations of Networked Computation)* in 2013.

Conference Program Committee member: *ACM Symp. on Principles of Distributed Computing (PODC)* in 1988, 1989, 1999, 2011, 2019; *ACM Symp. on Theory of Computing (STOC)* in 1993; *ACM-SIAM Symp. on Discrete Algorithms (SODA)* in 2000; *IEEE Symp. on Foundations of Computer Science (FOCS)* in 1991, 1992; *IEEE Conf. on Distributed Computing in Sensor Systems (DCOSS)*, in 2005; *IEEE Workshop on Algorithms for Wireless, Mobile, Ad Hoc and Sensor Networks (WMAN)*, in 2005; *Int. Colloq. on Automata, Languages and Programming (ICALP)* in 2001, 2018; *Colloq. on Structural Inform. & Comm. Complexity (SIROCCO)* in 1996, 1999, 2001, 2002; *Int. Symp. on Distributed Computing (DISC)* in 2003, 2005, 2009; *Int. Symp. on Mathematical Foundations of Computer Science (MFCS)* in 2003, 2009. *Int. Parallel and Distributed Processing Symp. (IPDPS)* in 2001; *Scandinavian Workshop for Algorithm Theory (SWAT)* in 1998; *Int. Workshop on Graph-Theoretic Concepts in Computer Science (WG)* in 2003, 2004, 2010. *APPROX Workshop* in 1999; *Fun With Algorithms Workshop* in 1998, 2001, 2010, 2012, 2014, 2018; *Dial M Workshop* in 1998, 2002; *Workshop on Approximation and Online Algorithms (WAOA)* in 2004, 2007; *Workshop on Combinatorial and Algorithmic Aspects of Networking (CAAN)* in 2004; *IFIP-TCS* in 2002; *Int. Conf. on Distributed Computing Systems (ICDCS)* in 1996; *Int. Workshop on Foundations and Algorithms for Wireless Networking (FAWN)* in 2006; *ALGOSENSORS* in 2008; *Int. Symp. on Stabilization, Safety, and Security of Distributed Systems (SSS)* in 2009, 2016; *Int. Conf. on Distributed Computing and Networking (ICDCN)* in 2015. *Conf. on Algorithmic and Complexity (CIAC)* in 2010, 2015; *Int. Conf. on Algorithmic Aspects of Information and Management (AAIM)* in 2016; *Int. Conf. on Principles of Distributed Systems (OPODIS)* in 2017.

Grant Review Committee Chair: Israel Science Foundation (ISF), Section of Computer Science, in 2010; United States - Israel Binational Science Foundation (BSF), Computer Science Panel, in 2011; European Research Council (ERC), Consolidator Grants, Panel PE6 (Computer Science & Informatics), in 2015.

Grant Review Committee Member: Multiple participations for ISF, BSF, ERC, NSF.

Member, High Academic Council, Hadassah Academic College, since 2015

## Fellowships and Honors

Fellow of the Association for Computing Machinery, 2017.

Prize for Innovation In Distributed Computing, awarded by the Colloq. on Structural Information and Communication Complexity (SIROCCO), 2011.

Edsger W. Dijkstra Prize in Distributed Computing, awarded by ACM and EATCS, 2008.

ISI Highly Cited.

The Norman D. Cohen Professorial Chair of Computer Sciences, since 1998.

M. Levinson Prize, 1995.

Incumbent of the Walter and Elise Haas Career Development Chair, 1990-4.  
Bantrell Fellowship, 1989.  
Allon Fellowship, 1989-91.  
Dr. Chaim Weizmann Post-Doctoral Fellowship, 1986.  
John F. Kennedy Prize, 1985.  
Study Prize for M.Sc. students and a Gitter Fellowship by Bar-Ilan University, 1981.  
President's List of Excellence for undergraduate students in the Technion, on 1978, 1979, 1980.

### **Main grants**

Israel Science Foundation (ISF): 1992-5, 1995-7, 2000-4, 2004-8, 2009-2013, 2013-2017. Israeli Ministry of Science: 1997-2000, 1998-2000, 1999-2001, 2004-2007, 2009-2010. Binational US-Israel Science Foundation (BSF): 2009-2013. BSF-NSF: 2017-2020. Israeli Ministry of Commerce: 1996-1998, 2000-2003. France-Israeli Binational Cooperation Association: AFIRST 1993-4, 1997-8. Arc-en-Ciel 2001-2. Minerva: 1991-3, 2005-8. Cisco: 2008. Citigroup: 2012-2013 I-Core Center of Excellence in Algorithms: 2010-2015.

### **Some recent invited presentations**

MITACS Workshop on Wireless Networks and Mobile Computing, Ottawa, Canada, April 2011.  
18th Colloq. on Structural Inform. & Comm. Complexity (SIROCCO), Gdansk, Poland, June 2011.  
38th Int. Workshop on Graph-Theoretic Concepts in Computer Science (WG), Ramat-Rachel, Israel, June 2012.  
31st ACM Symp. on Principles of Distributed Computing (PODC), Madeira, Portugal, July 2012.  
19th Int. Symp. on Fundamentals of Computation Theory (FCT), Liverpool, England, August 2013  
Workshop Journres d'Informatique Fondamentale, Universite Paris Diderot, April 2013  
STRUCO Meeting on Distributed Computing and Graph Theory, Pont-a-Mousson, France, Nov. 2013.  
6th workshop on GRAPh Searching, Theory and Applications (GRASTA), Corsica, France, March 2014.  
3rd French-Israeli Workshop on Foundations of Computer Science, Paris, France, May 2014.  
Keynote presentation, Ad Hoc Now conference, Athens, Greece, June 2015.  
Computer Science Distinguished Speaker, University of Houston, Feb. 2016.  
Mini-course in Ph.D. School, GSSI, L'Aquila, Italy, Jan. 2016.  
Invited Lecture, SIROCCO, Maale Hachamisha, Israel, June 2018.  
Keynote speaker, Int. Conf. on Distributed Computing and Networking (ICDCN), Bangalore, India, Jan. 2019.  
Keynote speaker, Confluence'19, Noida, India, January 2019.  
Invited Lecture, Int. Workshop on Algorithms and Computation (WALCOM). Guwahati, India, Feb. 2019.  
Computer Science Distinguished Colloquium Series, ETH Zurich, May 2019.