

Activities since last promotion of Joan Adler

June, 2009

Joan Adler has been very active locally, nationally and internationally since her last promotion. She was made a fellow of the Institute of Physics (Great Britain) in 2005 and has had 33 papers accepted for publication, including one selected as Editor's Choice in Physics Status Solidi a. She received 6 new research grants (including GIF, BSF, Umbrella and ISF) and has graduated 4 doctoral students, 5 M.Sc. students, and supervised approx. 10 undergraduate projects, and two postdoctoral fellows. She has given/will soon give 9 invited talks in conferences and workshops. She is about to complete an invited article for the American Journal of Physics about her Hydrogen Atom Visualizations and has just been invited to write a book in the new Computational Physics series of Taylor and Francis, and a review article for Theoretical Chemistry Accounts.

Current Statistics: (May 2009) H-index - 26, citations according to ISI Web of Knowledge - 2,067 for journal articles and 37 for the book "Percolation Structures and Processes". Accepted papers - 126, reviews - 9, manuscripts in conference proceedings - 11.

International Activities: Joan Adler has just been appointed to C20, The Commission on Computational Physics of IUPAP (International Union of Pure and Applied Physics), and sits ex-officio on the board of the EPS Computational Physics division. In 2007 she joined the editorial board of "Communications in Computational Physics". In 2005-7 she sat on the Council of the European Physical Society, and was(is) on the advisory and/or program committees for the International Computational Physics Conferences in 2001 (Aachen, Germany), 2007 (Brussels, Belgium), 2008 (Ouro Preto, Brazil) and 2009 (Taiwan). Joan Adler is also a member of the Organising Committee of the Symposium on Computational Materials Design at all Scales: From Theory to Application, ICMAT2009, in Singapore, June-July, 2009.

National Activities: Joan Adler was President of the Israel Physical Society (IPS) 2005-7 and Vice President for the three years preceding that. She was the

chair of the organising committee for the IPS annual meetings in 2000 and 2004, a member in 2001-2007, chair of the graduate student prize committee several times and organiser of the session on Computational Physics 2000-2007. She also chaired or sat on the organising committees of 5 workshops and one-day meetings since 2000, most recently the 2nd Workshop on Computations in Nanotechnology April 21/22 at the Technion.

Local Activities: Within the Physics Department she has taught Modern Physics and Computational Physics, developing and maintaining extensive websites for both. She has been active in issues relating to computational science/engineering within the Technion, first as a member of the Committee for Computational Mechanics and then being a key member of the team that established the “Center for Computation in Nanotechnology” which purchased and is running the cluster supercomputer, NANCO, for RBNI.

Teaching: Her most recent undergraduate teaching evaluation grade is 3.85, with 4.35 for atmosphere in class. The website containing (only) her personal lecture notes for Physics 3 had more than 2,765 hits in the last fall semester.