

**Igor Pak**  
**Department of Mathematics**  
**UCLA, Los Angeles, 90095**  
**(pak@)math.ucla.com**

**Employment:**

July 2009 – present      *Full Professor, UCLA, Department of Mathematics*  
July 2007 – June 2009    *Associate Professor, University of Minnesota, School of Mathematics*  
July 2005 – June 2008    *Associate Professor, MIT, Department of Mathematics*  
July 2000 – June 2005    *Assistant Professor, MIT, Department of Mathematics*  
Jan. 1998 – June 2000    *J. W. Gibbs Instructor, Yale University, Department of Mathematics*  
Fall of 1997                *NSF Postdoctoral Fellow, MIT, Department of Mathematics*

**Education:**

1994 – 1997                **Harvard University**, Department of Mathematics  
Ph.D. awarded in June 1997 (Advisor: *Persi Diaconis*)  
1989 – 1993                **Moscow State University**, Department of Mathematics

**Grants:**

NSF (2001-present) and NSA (2001-04, 2008-10)

**Fellowships:**

MSRI Postdoctoral Fellowship (Spring 2001), NSF Postdoctoral Research Fellowship in Mathematics (1997-2000), Hertz Foundation Fellowship (1995-97), French Math. Soc. Fellowship (1992-93), Moscow University Scholarship (1989-93).

**Ph.D. students:**

*Mike Korn, Matjaz Konvalinka, Sergiy Sidenko (all MIT), Stedman Wilson, Jed Yang, Anton Malyshev, Sam Miner, Andrew Soffer, Scott Garrabrant, Danny Nguyen, Sam Dittmer, David Soukup, Nikita Gladkov (all UCLA)*

**Postdocs:**

*Greta Panova, Alejandro Morales, Stephen DeSalvo, Martin Tassy, Olya Mandelshtam, Damir Yeliussizov, Swee Hong Chan, Melissa Sherman-Bennett, Colleen Robichaux (all at UCLA).*

**Research interests:**

Discrete and Polyhedral Geometry, Algebraic, Enumerative and Geometric Combinatorics, Computational Complexity, Random Walks, Asymptotic and Probabilistic Group Theory

**Publications:**

over 150 papers in journals and refereed conference proceedings  
1 research monograph (available on the web).

**Selected Talks:**

(over 500 invited talks all over the place)

Distinguished Lectures: *Fejes Tóth* (Calgary), *Erdős* (Jerusalem), *ICM Sectional* (Rio de Janeiro), *Vinberg* (online)

Private Universities: Brandeis, Brown, CalTech, Chicago, CMC, Cornell, Duke, Harvard, HMC, MIT, Northeastern, Northwesterns, NYU, Princeton, Rice, Stanford, Yale, etc.

Public Universities: Ann Arbor, Austin, Arizona, Berkeley, CUNY, Madison, PennState, Rutgers, Texas A&M, SUNY Albany, UC Davis, UCLA, UCSD, UIC, UMass, UMN, Utah, UWA (Seattle), etc.

Foreign Universities: Edinburgh, BGU (Beer Sheva), BIU (Givataim), Bordeaux-1, Cambridge, Cardiff, Florence, FU Berlin, Geneva, Glasgow, Haifa U, Hebrew U (Jerusalem), IUM (Moscow), KTH (Stockholm), Liverpool, Manchester, Moscow U, MIPT, Rome-2, Technion (Haifa), Tel Aviv, Toronto, TU Berlin, UNAM (Morelia), UQAM (Montreal), etc.

Math Conferences: ICM'18, BCC'19, many FPSAC's, SLC'15, G&C, many AMS, AIM, Banff, IPAM and Oberwolfach meetings, various specialized conferences

CS Conferences: CCC'17, ESA'99, FOCS'00'17'22, IPCO'17, ISSAC'99, RANDOM'02, SODA'99,'00,'02, STOC'99'17, etc.

R&D: AT&T Bell Labs, IBM Watson Research, Microsoft Research, Yandex  
Research Inst.: AIM, Banff, DIMACS, Fields, IAS, IPAM, IPPI, MSRI, Oberwolfach, POMI, Steklov Inst.

**Teaching:** three innovative/topics courses, two OCW web lecture notes projects, standard courses.

**Editorial:** Associate & Area Editor of *Discrete Mathematics*, *Trans. AMS*, *Memoirs AMS*, *Pacific Jour. Math.* (all in the past), *Math Intelligencer* (2021-present)

**Service:** NSF and NSA panels, UCLA, UMN and MIT committees, several AMS sections, SODA'07 program committee, AIM, Banff, IPAM and Simons workshops, MIT, UMN and UCLA Combinatorics Seminars, ICERM Semester Program.