

Oleg Pikhurko: Curriculum Vitae

Personal Information

Name	Oleg Pikhurko
Affiliation	Department of Mathematical Sciences, Carnegie Mellon University, Pittsburgh, PA 15213, USA
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Date of Birth	June 1973
Marital Status	Single
Nationality	Ukrainian

Education

10/96–01/00	Cambridge University, UK Ph.D. Degree in Mathematics
10/95–06/96	Cambridge University, UK Certificate of Advanced Study in Mathematics (with Distinction)
09/90–06/95	L'viv State University, Ukraine 5-Year Diploma in Mathematics (with Distinction)

Research

Main Areas	Extremal combinatorics (Turán ex-function, Ramsey numbers, sat-function), probabilistic and algebraic methods in combinatorics, (hyper-) graph limits.
Other Areas	Positional games, descriptive complexity, graph labelling, combin. number th.
Publications	Peer-reviewed: 71 published, 5 accepted, and 3 submitted papers.
Long visits	Adam Mickiewicz University, Poznań (1+1 months), Cambridge University (1+1 months), Hamburg University (1 month), Hebrew University, Jerusalem (1 month), Humboldt University, Berlin (3+2+1 months), Institute for Pure and Applied Mathematics, UCLA (3 months), Tampere University (3 months), Technical University, Berlin (2 months), Technical University, Munich (1+4 months), University of Memphis (4 months).

Professional and Teaching Experience

09/2008–	Associate Professor, Carnegie Mellon University.
09/03–08/08	Assistant Professor, Carnegie Mellon University.
10/00–08/03	Research Fellow, St. John's College, Cambridge.
01/00–08/03	Postdoctoral research and teaching member, Department of Pure Mathematics and Mathematical Statistics, Cambridge University.
10/96–05/01	Regular supervising, Cambridge University, 3–5 hours per week.

09/94–06/95 Lecturing at the L’viv Lyceum of Physics and Mathematics attached to L’viv State University, 1 hour per week.

Lecturing **Undergraduate courses:** Combinatorics; Discrete Mathematics; Graph Theory; Matrix Algebra; Putnam Seminar; Research Topics in Discrete Mathematics.

Graduate courses: Algebra; Algebraic Methods in Combinatorics; Discrete Mathematics; Extremal Combinatorics with Applications in Computer Science; Probabilistic Method; Ramsey Theory.

Membership American Mathematical Society;
Fellow, Institute of Combinatorics and its Applications, Winnipeg, Canada.

Grants, Awards, and Distinctions

07/11–06/14 NSF grant DMS-1100215 (\$246,557, single PI).

01/10–06/10 Humboldt Fellowship for Experienced Researchers, spent at TU-Munich.

07/08–06/11 NSF grant DMS-0758057 (\$135,337, single PI).

05/08–06/08 Grant from the Berkman Faculty Development Fund, CMU.

07/05–06/08 NSF grant DMS-0457512 (\$93,659, single PI).

05/04–07/04 Grant from the Berkman Faculty Development Fund, CMU.

03/00–08/00 Young Researcher Grant from the German Academic Exchange Service (DAAD), spent at TU- and HU-Berlin.

07/96–09/96 3-Month grant from the Center for International Mobility (CIMO), Finland, spent at Tampere University.

04/1996 C. Tenant Prize for a Light or Humorous Verse, Trinity College, Cambridge.

01/1996 J. T. Knight Prize in Mathematics, Cambridge University.

Scholarships **Trinity College, Cambridge:** Senior Rouse Ball Studentship (1999);
Kurt Hahn Trust, Cambridge: Award for Study in Germany (1999);
Trinity College, Cambridge: External Research Scholarship (1996);
Soros Foundation: ISSEP University Student Grant (1994);
L’viv State University: Lopatynskyi Scholarship (1990).

Service, Advising PhD Students, and Other Activities

10/10–02/11 Hiring Committee, Zeev Nehari Visiting Assistant Professor, CMU.

09/2010– Mellon College of Science Non-Tenure Promotion Committee, CMU.

09/2010– Maintainer of the ACO website <http://aco.math.cmu.edu/>

06/2010– Basic Examination Committee, CMU.

11/2009– Associate Editor of “*Discrete Mathematics*”.

06/08–10/08 Selection Committee, CMA Postdoctoral Fellowship, New University, Lisbon.

2006 & 2007 Organising Virginia Tech and Putnam competitions at CMU.

09/06–05/07 Berkman Faculty Development Fund Committee, CMU.

09/2005– Maintainer (with Tom Bohman, Alan Frieze, and Danny Sleator) of the Puzzle TOAD webpage <http://www.cs.cmu.edu/puzzle/>

Organiser	<p>(with Gábor Elek and Balázs Szegedy) AIM Workshop “<i>Graph and Hypergraph Limits</i>”, Palo Alto, August 15–19, 2011;</p> <p>(with Henry Liu, Manuel Silva, and Teresa Sousa) “<i>Lisbon Combinatorics Conference</i>”, Lisbon, July 11–15, 2011;</p> <p>(with Benny Sudakov and Dhruv Mubayi) AIM Workshop “<i>Hypergraph Turán Problem</i>”, Palo Alto, March 21–15, 2011;</p> <p>(with Tom Bohman) ACO Seminar, CMU, 09/2010– ;</p> <p>(with Dhruv Mubayi) ACO Seminar, CMU, 09/2007–05/2008;</p> <p>(with David Offner) “<i>(Your Regular) Workshop on Extremal Graphs and Hypergraphs</i>”, Pittsburgh, May 5–6, 2007;</p> <p>(with Teresa Sousa) ACO Seminar, CMU, 09/2005–05/2006;</p> <p>(with Clifford Smyth) “<i>WaterMellon Workshop on Extremal Graph Theory</i>”, Pittsburgh, May 21–23, 2005.</p>
Reviewer	Grant proposals for NSA, Georgian NSF, Hungarian NSF (OTKA).
Service	NSF Panel in Combinatorics.
PhD Students	<p>Teresa Sousa, 01/2004–08/2006 (Assistant Prof., New University, Lisbon);</p> <p>David Offner, 01/2006–05/2009 (Assistant Prof., Westminster College, PA);</p> <p>Zealelem Yilma, 01/2008–</p>

Further Information

Languages	<p>Ukrainian: native; English, Russian: fluency; German, Polish: good skills.</p>
	<p>01/10–03/10 2-Month Course of German (Levels C2.1 and C2.2), Goethe-Institut, Munich.</p>
	<p>09/1999 Certificate of German as Foreign Language (ZDaF), grade “very good”, Goethe-Institut, Staufen.</p>
	<p>10/97–06/98 Diploma in Polish (with Distinction), Cambridge University.</p>