

# TAMARA KUCHERENKO

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## POSITIONS

<b>Assistant Adjunct Professor</b>	University of California - Los Angeles	2007 - Present
<b>Lecturer and Assistant Researcher</b>	University of California - Los Angeles	2005 - 2007

## DEGREES

<b>Ph. D.</b>	University of Missouri - Columbia, Missouri	2005
<b>Diploma</b>	Kharkov National University - Ukraine	2001

## PUBLICATIONS

- *Operators with an absolute functional calculus*, joint with N. Kalton, accepted, *Mathematische Annalen* (2009).
- *Rademacher bounded families of operators on  $L_1$* , joint with N. Kalton, *Proceedings of the American Mathematical Society* 136 (2008), 263-272.
- *Sectorial operators and interpolation theory*, joint with N. Kalton, *Contemporary Mathematics* 445 (2007), 111-119.
- *Real interpolation of domains of sectorial operators on  $L_p$ -spaces*, joint with L. Weis, *J. Mathematical Analysis and Applications* 310 (2005), 278-285.
- *$R$ -bounded approximating sequences and applications to semigroups*, joint with M. Hoffmann and N. Kalton, *J. Mathematical Analysis and Applications* 294 (2004), 373-386.
- *Weak topologies and properties fulfilled almost everywhere*, joint with V. Kadets, *Math. Fiz. Anal. Geom.* 8 (2001), 261-271.

## AWARDS AND FELLOWSHIPS

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|--|-------------|
| • <i>Departmental Research Graduate Assistantship</i> , University of Missouri | 2001 - 2005 |
| • <i>DAAD German Academic Exchange Fellowship</i>                              | 2003 - 2004 |
| • <i>University Research Fellowship</i> , University of Karlsruhe, Germany     | 2004        |
| • <i>Departmental Fellowship</i> , University of Missouri                      | 2001 - 2002 |

## TALKS AND CONFERENCES

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|---|------|
| • <i>Southern California Functional Analysis Seminar</i> , Pomona College       | 2009 |
| • <i>AMS National Meeting</i> , San Diego                                       | 2008 |
| • <i>Analysis and PDE Seminar</i> , UCLA  | 2008 |
| • <i>Mathematical Sciences Seminar</i> , Montclair University                   | 2008 |
| • <i>Von Neumann Symposium</i> , UCLA   | 2007 |
| • <i>Banach Spaces and their Applications in Analysis</i> , Miami University    | 2006 |
| • <i>AMS Spring Southeastern Meeting</i> , Florida University                   | 2006 |
| • <i>UCLA Summer School on Analysis and Ergodic Theory</i> , Lake Arrowhead     | 2006 |
| • <i>New Mexico Analysis Seminar</i> , New Mexico State University              | 2005 |
| • <i>Dispersive Wave Equations</i> , MSRI Berkeley                              | 2005 |
| • <i>TULKA Seminar on Functional Calculus</i> , Casalmaggiore, Italy            | 2005 |
| • <i>Harmonic Analysis and Spectral Theory</i> , Oberwolfach Research Institute | 2004 |
| • <i>TULKA Seminar on Evolution Semigroups</i> , Blaubeuren, Germany            | 2004 |
| • <i>AMS National Meeting</i> , Baltimore                                       | 2003 |
| • <i>Geometry of Banach spaces and Ramsey Theory</i> , Fields Institute         | 2002 |
| • <i>Thematic Program on Asymptotic Geometric Analysis</i> , PIMS               | 2002 |
| • <i>Trends in Banach spaces and Operator Theory</i> , University of Memphis    | 2001 |

## TEACHING EXPERIENCE

### UCLA, Lecturer / Assistant Adjunct Professor, 2005 - Present

1. *Differential Equations*
2. *Complex Analysis*
3. *Calculus of several variables*
4. *Advanced Linear Algebra*
5. *Integration and Infinite Series*
6. *Probability for Life Sciences*
7. *Calculus for Life Sciences*
8. *Real Analysis*
9. *Optimization Theory*

- Lectured undergraduate classes with more than 180 students
- Taught PEERS Program for minority students
- Designed a course web page with links to syllabus and homework solutions
- Developed exams and grading keys, supervised grading process
- Guided junior and senior teaching assistants, graders, and readers
- Maintained active communication over course material with undergraduate director
- Provided office hours and recitation sessions
- Received extremely positive student evaluations and feedback
- Wrote recommendation letters for students applying to graduate schools
- Prepared middle and high school students for math competitions

### University of South Carolina, Instructor, 2004

1. *Business Calculus*
2. *Intensive College Algebra*

- Developed and delivered lectures
- Conducted review sessions and office hours
- Prepared quizzes and exams
- Assigned grades

### University of Missouri - Graduate Teaching Assistant, 2001 - 2003 and 2005

1. *College Algebra*
2. *Calculus II*
3. *Finite Math*

- Utilized calculators TI-83, TI-85, and TI-86 in the classroom
- Supplemented lectures with graphics capabilities of Mathematica
- Prepared quizzes, exams, and Mathematica lab exercises
- Worked with supervisor
- Conducted review sessions
- Assigned grades