

## History of the Analysis Group King's College London 1966 – 2005

Research activity in modern analysis in the department began with the appointment of John Erdos in 1966. His main interests were in operator theory and particularly non-self-adjoint operator algebras on Hilbert spaces. He instituted a [university seminar](#) attended by his research students as well as Bernard Fishel of Westfield and Francis Jellett of Chelsea College.

In 1981 [Brian Davies](#) was appointed to a Chair in Mathematics, succeeding [Albrecht Fröhlich](#), a number theorist who had also been Head of Department. In 1984 the group increased with the arrival of [Raymond \(Ray\) Streater](#), Lawrence (Larry) Landau and Ivan Wilde from [Bedford College](#), which was closed as a part of a major reorganization of the University of London. Francis Jellett came to King's when King's College, Queen Elizabeth College and Chelsea College merged in 1985.

Davies' early research in spectral theory focussed on self-adjoint operators, one-parameter semigroups and heat kernel bounds. In the early 1990s he saw the opportunity for strengthening the Group, and British Analysis, by attracting some of the ablest of the Russian analysis school after the collapse of the Soviet Union in 1989. The first to arrive was [Yuri Safarov](#), in 1993, from St. Petersburg, famous for his [groundbreaking work](#) on spectral asymptotics. As the group developed, a growing stream of PhD students and visitors established the Department and London as a whole as an international hub for Spectral Theory, initially with particular reference to mathematical physics, Schrödinger operators and one-parameter semigroups. The research interests of the group were broadened with the appointments of [Eugene Shargorodsky](#) in 2003 and [Alexander Pushnitski](#) in 2005, when the spectral analysis of non-self-adjoint, Toeplitz and Hankel matrices and operators became particularly active.

This account of the development of analysis has focussed on the people who regularly attended the analysis seminar, which has remained active since its foundation by Erdos. We finally mention some further people who were more interested in other aspects of the field. [William \(Bill\) Harvey](#), whose specialities were Riemann surfaces, Teichmüller spaces and related topics, joined the department in 1972. Bill and [Shaun Bullett](#) (QMUL) ran a very successful London Geometry and Topology Seminar for many years, remaining active until his death in 2019. After arriving in King's the group of three

from Bedford College (RS, LL and IW) continued to pursue a range of problems from quantum field theory, quantum statistical mechanics and quantum stochastic analysis using analytic techniques. [Simon Scott](#) was appointed in 1998 and has made contributions to traces of Fourier integral operators, geometric analysis, geometry and Lie theory.

**Former members of the Analysis group  
Academic Staff**

- John Erdos (1966-2004)
- Yuri Safarov (1993-2015)
- Adrian Constantin (2008-2015)
- Mariusz Mirek (2017)
- Mahir Hadzic (2013-2019)
- Thomas Bothner (2017-2020)
- Francis Jellett (1985-?)

**Postdoctoral Researchers**

- Anna Aslanyan (1997-2001)
- Gerassimos Barbatis (1994-1997)
- Lyonell Boulton (2001)
- Nikolai Filonov (2007-2008)
- Martin Gebert (2016-2018)
- Maria Lianantonakis (1990-1993?)
- Yuri Netrusov (EPSRC Fellow 1997-2000)
- Michael Pang (1988-1991)
- Stanislav Shkarin (2005-2006)
- Jani Virtanen (2004-2005)

**PhD Students**

- Gareth Ashton (1978-1981)
- Gerassimos Barbatis (1991-1994)

- Paolo Battistotti (2011-2015)
- Lyonell Boulton (1998-2001)
- Daniel Bulger (2009-2013)
- Jonathan Butler (1994-1998)
- George Chkadua (2013-2016)
- Narinder Claire (1995-2000)
- Ben Fairfax (1996-2000)
- Emilio Fedele (2015-2020)
- Veronica George (2002-2003)
- Stavros Giotopoulos (1976 -1979)
- Clive Grayson (1999-2005)
- Elisabeth Grieger (2011-2016)
- Tobias Hartung (2013-2015)
- Tony Hill (2010-2017)
- James Hinchcliffe (2003-2007)
- Pascal Honore (2013-2015)
- Paul Incani (2006-2009)
- Sotirios Karanasios (1978-1981)
- Martin Karuhanga (2013-2016)
- Aristides Katavolos (1974-1977)
- Michael Lambrou (1977 - 1980)
- Maria Lianantonakis (?-1990)
- Philip Maher (1979-1985)

- Gianni Manno (1999-2004)
- Doru Marculescu (1981-1984)
- Carmen Martinez (2001-2005)
- Colin Mason (1998-2002)
- Peter McKeag (2002-2006)
- Jiban Nath (1997-2002)
- Owen Nicholas (?-2000)
- Mark Owen (?-1997)
- Michael Pang (?-1988)
- Paul Redparth (1996-2001)
- Brenda Ryan (2005-2009)
- Niccolo Salvatori (2013-2017)
- Greg Singleton (?-1986)
- Michael Strauss (2003-2007)
- My Long Tham (2003-2008)
- John Weir (2006 - 2010)