# CURRICULUM VITAE

**NAME:** Qingkai Kong **DATE:** October 28, 2016

Professor and Director of Undergraduate Studies
Department of Mathematical Sciences
Northern Illinois University
DeKalb, IL, 60115

## EDUCATIONAL BACKGROUND:

| | | |
|---|---|---|
| University of Alberta | 1989-1992 | Ph. D. |
| University of Alberta | 1987-1988 | M. Sc. |
| Ocean University of China | 1978-1982 | B. Sc. |

## PROFESSIONAL EXPERIENCE:

| | | |
|---|---|---|
| Northern Illinois University, DeKalb, IL | Director of Undergraduate Studies | 2009- |
| Northern Illinois University, DeKalb, IL | Professor | 2002- |
| Northern Illinois University, DeKalb, IL | Associate Professor | 1998-2002 |
| Northern Illinois University, DeKalb, IL | Assistant Professor | 1992-1998 |
| Ocean University of China, P.R. China | Instructor | 1982-87 |
| | | 1988-89 |

## TEACHING EXPERIENCE:

Have taught 15 undergraduate courses and 4 basic graduate courses and several other topic courses.

**Undergraduate courses** taught include: Precalculus, Calculus I, II, and III, Differential Equations I and II, Linear Algebra, Mathematical Modeling, Advanced Calculus I and II, Applied Mathematics, Partial Differential Equations, and honors sections of some of the above.

**Graduate courses** taught include: Theory of Differential Equations I and II, Real Analysis, Functional Analysis; and topic courses on advanced differential equations, Sturm-Liouville problems, nonlinear boundary value problems, mathematical biology, degree theory, and dynamic equations on time scales.

## RESEARCH INTERESTS:

General areas of research are ordnary and functional differential equations, difference equations, impulsive systems, dynamic equations on time scales, and their applications. Special interests include: linear and nonlinear oscillations; spectral theory for Sturm-Liouville problems; nonlinear boundary value problems; differential inequalities; and applications to biological systems.

## PUBLICATIONS AND OTHER PROFESSIONAL CONTRIBUTIONS:

| | |
|---|---|
| Research Monograph | 1 |
| Graduate Textbook | 1 |
| Research Papers | 140+ |
| AMS Citations | Cited 1300+ times by 700+ authors |
| Google Scholar Citations | Cited 3000+ times |

See "Publication" for the detail.

## PROFESSIONALLY ORIENTED PUBLIC SERVICE ACTIVITIES:

Reviewer of Math. Reviews, Reviewer of ZBl. Math.

Co-Editor-in-Chief of Differential Equations & Applications, 2015-present

Member of editorial board of the journals

- Differential Equations & Applications, 2013-present
- Journal of Abstract Differential Equations and Applications, 2010–present
- International Journal of Differential Equations, 2008–present
- Advances in Differential Equations and Control Processes, 2007–present
- Journal of Operators, 2012–2016
- J. Spectral Math. Appl., 2007–2009

Refereed for more than 50 mathematical journals

Served as external reviewer for tenure and promotion of faculty at other universities

Session organizer of the special session "Spectral theory of Sturm-Liouville problems" of the 2004 Fall central section meeting of AMS, Evanston, IL, Oct. 23-24, 2004

Member of the organizing committee of the "Ordinary Differential Equations: A Conference in Honor of Tony Zettl", DeKalb, IL, Sept. 22-23, 2000

Grant evaluator for:

- The State Natural Science Award of the People's Republic of China, 2006
- The U.S. Civilian Research & Development Foundation, 2003

## GRANTS, FELLOWSHIPS, AND LEAVES OF ABSENCE

Q. Kong, H. Wu, and A. Zettl, NSF grant DMS-9973108 of $130,000 for the period from August 15, 1999 to July 31, 2003 with proposal entitled "A qualitative and quantitative study of self-adjoint and non-self-adjoint Sturm-Liouville problems". (This grant also has support for two graduate students.)
Summer research & artistry grant from the Graduate School of NIU, 1993 and 1999.

On sabbatical leave Fall 2007, Spring 2001.

**DIRECTION OF PH. D. DISSERTATIONS:**

- Ph. D. dissertation advisor for Lingju Kong, graduated Spring 2005
- Ph. D. dissertation advisor for Xiaofei Wang, graduated Summer 2010
- Ph. D. dissertation advisor for Min Wang, graduated Fall 2011
- Ph. D. dissertation advisor for Tom St George, graduated Fall 2013
- Ph. D. dissertation advisor for Jeremy Chamberlain, Fall 2014
- Ph. D. dissertation advisor for Sougata Dhar, Fall 2013-present

**HONORS AND OTHER ACHIEVEMENTS:**

Received the Excellence in Undergraduate Teaching Award of Northern Illinois University, 2016.

Received the college nomination for the Excellence in Undergraduate Teaching Award, 2003.

Received the departmental nomination for the Excellence in Undergraduate Teaching Award, 2000.

Received the departmental nomination for the Excellence in Undergraduate Teaching Award, 1997.

Received the Huo Ying-Dong Teaching Award (a nationwide university teaching award in China), 1989.