

CURRICULUM VITAE
JORGE NOCEDAL

ADDRESS: Jorge Nocedal
Department of Industrial Engineering and Management Sciences
Northwestern University
Evanston IL 60208

EDUCATION:

1974-1978 Rice University, Ph.D. in Mathematical Sciences
1970-1974 National University of Mexico, B. Sc. in Physics

PROFESSIONAL EXPERIENCE:

2017-present Walter P. Murphy Professor, Industrial Engineering Department,
Northwestern University
2013-2017 David and Karen Sachs Professor and Chair, Industrial Engineering Dept.
1983-2012 Assistant Professor, Associate and Professor, Dept. of Electrical
Engineering and Computer Science, Northwestern University
1981-1983 Research Associate, Courant Institute of Mathematical Sciences, NYU
1978-1981 Assistant Professor, National University of México

RESEARCH INTERESTS:

Optimization, scientific computing and applications in machine learning and optimal design.

HONORS AND DISTINCTIONS:

2021 Lagrange Prize in Continuous Optimization
2020 Elected to the US National Academy of Engineering
2017 John Von Neumann Theory Prize
2012 George B. Dantzig Prize
2010 SIAM Fellow
1998-2001 Bette and Neison Harris Professor of Teaching Excellence, Northwestern
1998 Invited Speaker, International Congress of Mathematicians

EDITORIAL BOARDS:

2010- 2014 Editor-in-Chief, SIAM Journal on Optimization
1989- 2016 Associate Editor, Mathematical Programming
2006- 2009 Associate Editor, SIAM Review
1995- 2001 Co-Editor, Mathematical Programming
1991-1995 Associate Editor, Mathematics of Computation

SYNERGISTIC ACTIVITIES:

- a) Development, planning and implementation of *Engineering First*, a novel curriculum for undergraduate engineering education at Northwestern (200).
- b) Author of the book “Numerical Optimization”, 2nd edition, with Stephen Wright.

TECHNOLOGY AND BUSINESS:

2001	Co-founder and President, Ziena Optimization Inc.
2001	Co-Developer, KNITRO software package
2002-present	Chief Scientist, Ziena Optimization Inc.

CONSULTING:

2014-present	Artelys Corp
2012-2014	Google
2004	Chevron-Texaco
2001-2014	Ziena Optimization Inc
2001-2002	Accenture, Chicago, IL
1998-2002	Synopsys, Sunnyvale California
1993	AMOCO, Tulsa Oklahoma
1988	Resource Control Systems, Chicago IL
1987	SYSTAT, Evanston IL
1984	Gould Research, Chicago IL
1983, 1988	United Kingdom Atomic Energy Research Establishment,