

# CURRICULUM VITAE

Gunther Uhlmann

**Education:** Licenciado en Matemáticas, Univ. de Chile, Santiago, Chile 1973.  
Ph.D., M.I.T., September 1976.

## Professional Experience:

- Robert R. and Elaine F. Phelps Endowed Professor, 2022-present.
- Walker Family Endowed Professor in Mathematics, 2006–2022.
- Professor of Mathematics, University of Washington, 1987–present.
- Adjunct Professor Applied Mathematics, University of Washington, 2008-present.
- Si-Yuan Professor, IAS, HKUST, Hong Kong, 2014-present.
- Finnish Distinguished Professor, University of Helsinki, 2012-2017.
- University of California Irvine Excellence in Teaching Endowed Chair, 2010-2012.
- Chancellor Professor, University of California, Berkeley, Fall, 2010.
- Associate Professor, University of Washington, 1984–1987.
- Assistant Professor, M.I.T., 1980–1985.
- Instructor, M.I.T., 1978–1980.
- Courant Instructor, Courant Institute, NYU, 1977–1978.
- Research Fellow, Harvard University, January-June, 1977.
- Research Associate, M.I.T., September-December, 1976.

## Selected Awards, Honors and Fellowships:

- Doctor Honoris Causa, University of Helsinki, 2022.
- Simons Fellowship, 2021-2022.
- 2021 AMS-SIAM Birkhoff Prize in Applied Mathematics.
- Clay Senior Scholar at MSRI, Fall 2019
- Distinguished Visitor, National University of Singapore, August, 2018.
- Solomon Leftschetz Medal, Mathematical Council of the Americas, 2017.
- Plenary Lecture, V Latin America Congress of Mathematics, Barranquilla, Colombia, July, 2016.
- Plenary Lecture International Congress of Mathematical Physics, Santiago, Chile, July 2015.
- Senior CARMIN position, IHES and IHP, Paris, France, Spring 2015.
- Foreign Member of the Finnish Academy of Sciences, elected 2013.
- Simons Fellow, 2013-2014.

- Finnish Distinguished Professor, 2013-2017.
- AMS Fellow, elected 2012.
- Member Washington State Academy of Sciences, elected 2012.
- Chaire d'Excellence 2012-2013 of the Fondation Sciences Mathématiques de Paris.
- Einstein Public Lecture, AMS, March 2012.
- Ordway Distinguished Visitor, 2011-2012, University of Minnesota.
- Rothschild Distinguished Visiting Fellow, Cambridge University and Isaac Newton Institute for Mathematical Sciences, Cambridge, England, Fall 2011.
- Kleinman Prize, Society of Industrial and Applied Mathematics, 2011.
- Bocher Prize, American Mathematical Society, 2011.
- Clay Senior Scholar at MSRI, Fall 2010.
- Chancellor Professor, University of California, Berkeley, Fall 2010.
- Fellow American Academy of Arts and Sciences, elected 2009.
- Plenary Lecturer, International Congress of Industrial and Applied Mathematics 2007, Zurich, Switzerland, July, 2007.
- "Highly Cited Author" designation by Thomson/ISI, 2001 list.
- Fellow, Institute of Physics, elected 2004.
- PIMS Distinguished Chair, University of British Columbia, November 2002.
- John Simon Guggenheim Fellowship, 2001-2002.
- Corresponding Member of the Chilean Academy of Sciences, elected 2001.
- International Congress of Mathematicians, Invited Speaker, Berlin, 1998.
- Conference Board of Mathematical Sciences (CBMS), Principal Speaker, 1995.
- Alfred P. Sloan Research Fellowship, 1984.
- Annual Prize of Mathematics, Venezuela, 1982.

### **Selected Lectures**

- Houston Kirk Colloquium, Washington University Saint Louis, October 2021.
- FONDAPRAT General Public Lecture, August, 2020.
- NAS Webinar on "Solving and Seeing", February, 2020.
- The Ronal Di Perna Lecture, University of California, Berkeley, January, 2020.
- Floer Lectures, Ruhr Universität, Bochum, Germany, June 2019.
- Public Lecture, University of Chile, Santiago, December, 2018.
- Public Lecture, National University of Singapore, August, 2018.
- Distinguished Lectures, University of Wisconsin, Madison, September, 2018.

- The Alexander Ziwet Lectures, University of Michigan, Ann Arbor, April, 2018.
- Distinguished Lectures, University of California, Santa Barbara, February, 2018.
- Sydney ideas Public Lecture, University of Sydney, February, 2018.
- Distinguished Lectures, University of California, Santa Barbara, February, 2018.
- Hua Lookeng Distinguished Lecture, Institute of Applied Mathematics, Chinese Academy of Sciences, September, 2017.
- Distinguished Lecture, CMI-LMS Research School on Microlocal Analysis and Applications, Cardiff, UK, June, 2017.
- Distinguished Lecture, Scientific Computing and Imaging Institute, University of Utah, April, 2017.
- William Benter Distinguished Lecture, City University of Hong Kong, February, 2017.
- Public Lecture, IMA, University of Minnesota, February, 2017.
- Academy lecture, Royal Swedish Academy of Sciences, Stockholm, October, 2016.
- Public lecture at the Institute for Computational and Experimental Research in Mathematics, Providence, Rhode Island, April 2016.
- William Benter Distinguished Lecture, City University of Hong Kong, February, 2017.
- Public Lecture, IMA, University of Minnesota, February, 2017.
- Academy lecture, Royal Swedish Academy of Sciences, Stockholm, October, 2016.
- Public Lecture, ICERM, Brown University, April, 2016.
- Plenary lecture, V Latinamerican Congress of Mathematicians, Barranquilla, Colombia, July, 2016.
- The Louis Nirenberg Lectures on Geometric Analysis, CIRM, Canada, 2016.
- Lecture on the 50th Anniversary of Faculty of Sciences, University of Chile, Santiago, Chile,
- Plenary lecture, International Congress of Mathematical Physics, Santiago, Chile, July, 2016.
- Perspectivas Matemáticas (Mathematical Perspectives), Instituto de Matemáticas UNAM, Mexico D.F., Mexico, April, 2015.
- Distinguished Lecture, Hong Kong Baptist University, November, 2014.
- Public Lecture, Institute for Advanced Study Commons, HKUST, Hong Kong, November 2014.
- Distinguished Lecture, Zhejiang University, China, November, 2014.
- Baylor Lectures, Fall 2014.
- Harmonic Analysis and Partial Differential Equations in honor of Carlos Kenig, U. Chicago, September, 2014.
- Public Lecture at SIAM SEAS 2014, Melbourne, Florida, March 2014.
- Institute for Advanced Study Si Yuan Professor Inaugural Lecture, Nov. 2013.
- Microlocal and Spectral Theory in honor of J. Sjöstrand, Luminy, France, September 2013.

- First Lecture of Leading Ideas Speaker Series organized by the Banff Center and BIRS, Banff, Canada, September, 2013.
- Finish Distinguished Professor (FiDiPro) Inaugural Lecture, University of Helsinki, September, 2013.
- Invited Speaker, Mathematical Congress of the Americas 2013, Guanajuato, Mexico, August, 2013.
- Taft Lectures, University of Cincinnati, November, 2012.
- Institute for Advanced Study Distinguished Lecture, Hong Kong University of Science and Technology, November 2012.
- Boeing Distinguished Lecture, Department of Applied Mathematics, University of Washington, October, 2012.
- Minicourse, Journées de' L'EDP, Biarritz, France, June, 2012 (6 hours).
- Ordway lectures, University of Minnesota, November 2011 and March 2012.
- Rothschild Lecture, Cambridge University and Isaac Newton Institute for Mathematical Sciences, Cambridge, England, September 2011.
- Institute for Advanced Study Distinguished Lecture, Hong Kong University of Science and Technology, August 2011.
- The 10th van Winter Memorial Lecture, University of Kentucky, February, 2011.
- Spectral and Scattering Theory and Related Topics, RIMS, Kyoto, Japan, Feb. 2011, a conference celebration of H. Isozaki's 60th birthday.
- Invited Address, First Joing Meeting AMS-SOMACHI, Pucón, Chile, Dec. 2010.
- Invited Topical Speaker, SIAM Annual meeting, Pittsburgh, July 2010.
- Plenary Speaker, Summer Meeting Canadian Mathematical Society, Fredricton, June, 2010.
- Arne Magnus Lectures, Colorado State University, April, 2010.
- Emil Grosswald Lectures, Temple, April 2009.
- Zygmund-Calderón Lectures, University of Chicago, April, 2008.
- Current Events Bulletin, Joint Annual Meeting, San Diego, January, 2008.
- Plenary Lecture in Lars Ahlfors Centennial Conference, Helsinki, Finland, August, 2007.
- Geometric Aspects of Analysis and Mechanics, a conference in honor of Hans Duistermaat 65th birthday, Utrecht, The Netherlands, August 2007.
- 10th Anniversary Celebration of Instituto de Matematicas, Universidad Nacional Autónoma de Mexico, Cuernavaca, Mexico, May, 2006.
- Algebraic Analysis of Differential Equations in honor of Prof. Takahiro Kawai on the occasion of his sixtieth birthday, RIMS, Kyoto, Japan, July 2005.
- Plenary Lecture, Annual Meeting, MITACS, Calgary, Canada, May, 2005.
- Invited hour address AMS, Annual Joints Meeting, Atlanta, January, 2005.
- Paris-Berkeley Analysis Video Conference, April, 2004.

- Richard Di Prima Annual Lecture, Rensselaer Polytechnic Institute, April, 2004.
- PIMS Distinguished Chair Lectures, University of British Columbia, Canada, November 2002 (3 lectures).
- Frontiers in Math Lectures, Texas A&M, March, 2004 (3 lectures).
- Plenary talk, invited by Korean Mathematical Society, at the conference “Mathematics in the New Millennium”, October, 2001.
- Annual Memorial Lecture José Rubio de Francia, Universidad Autónoma de Madrid, Spain, June 1997.
- Distinguished lecture series, The Institute of Applied Mathematics, University of British Columbia, Canada, October 1997.
- Plenary lecture at conference Harmonic Analysis and Partial Differential Equations in honor of Professor Alberto P. Calderón on the occasion of his 75th birthday, February, 1996.
- Invited address, Portland meeting American Mathematical Society, June 1991.
- Boeing Lecture, Wichita State University, April 1990.

**Postdocs** ()In Alphabetic order with current position in parentheses. )

Edoh Amiran (Professor, Western Washington U.), Sombuddha Bhattacharyya (IISER Bhopal, India), Emilia Blaasten (postdoc, Alto University, Finland), Catalin Carstea (Assistant Professor, Sichuan U.), Gleb Dyatlov (Baker Hughes, Novosibirsk Technology Center), Assistant Professor, Elisa Francini (Professor U. Firenze), Tuhin Ghosh (Assistant Professor, Haris-Chanfra Research Institute, India), Peter Gibson (Associate Professor, York University), Frédéric de Gournay (Maitre de Conference, U. Toulouse), Horst Heck (Professor, Bern University, Germany), Masaru Ikehata (Professor, Hiroshima University, Japan), Kim Knudsen (Professor, Technical U. of Denmark), Xiaosheng Li (Associate Professor, Florida International U.), Yi-Hsuan Lin (Assistant Professor, National Chiao Tung University), Stephen, MacDowall (Professor, Western Washington U.), Matti Lassas (Professor, U. Helsinki), Ramon Mendoza (Professor, Universidad Federal de Pernanbumco), Alberto Mercado (Associate Professor, Universidad Federico Santa Maria), Mario Micheli (Senior Lecturer. Johns Hopkins University), Francois Monard (Assistant Professor UC Santa Cruz), Carlos Montalto (Associate Professor, Universidad de Costa Rica), ), Tu Nguyen (Associate Professor, National University of Vietnam), Lauri Oksanen (Professor, University of Helsinki), Mikko Salo (Professor U. Jvaskylä), Ben Stephens, Ziqi Sun (Professor, Wichita State), Jian Zhai (Assistant Professor, Fudan University, China), Yang Zhang (current postdoc) , Antti Kujanpää (current postdoc).

### PhD Students

José Antoniano, PhD 1983; Fernando Brambila, PhD 1985; Kurt Bryan, PhD 1990; Charles Curtis, PhD 1994; Carlos Tolmasky, PhD 1996; Lizabeth Rachelle, PhD 1996; Jenn-Nan Wang, PhD 1997; Steve McDowall, PhD 1998; Eduardo Chappa, PhD 2002; Alexandru Tamasan, PhD 2002; Karthik Ramaseshan, PhD 2003; Michal Skokan, PhD 2004; Mikko Salo, PhD 2004 (coadvisor with L. Päivärinta); Bela Frygik, PhD 2006 (coadvisor with P. Stefanov); Matias Courdurier, PhD 2007; Venkateswaran Krishnan, PhD 2007 (coadvisor with P. Stefanov); Leo Tzou, PhD 2007; Ian Langmore, PhD 2008; Sean Holman, PhD 2009; James Vargo, PhD 2010; Ting Zhou, PhD 2010; Mark Hubenthal, PhD 2012; Lee Patroliia, PhD 2013; Jie Chen, PhD 2013; Ilker Kocyigit, PhD 2013; Justin Tittlefritz, PhD 2013 (coadvisor with H. Smith); Yang Yang PhD 2014; Kaloyan Marinov, PhD 2015; Ru-Yu Lai, PhD 2015; Peter Caday, PhD 2015 (coadvisor with P. Stefanov); Hanming Zhou, PhD 2015; Yernat Assylbekov, PhD 2016; Yifan Chang, PhD, 2018; Karthik Iyer, PhD, 2018; Benjamin Palacios, PhD 2018; Nikolaos Eptaminitakis, PhD 2020 (coadvisor with C. R. Graham) Ashwin Tarikere Ashok Kumar Nag, PhD 2020; Li Li, PhD 2021; Reed Meyerson, PhD 2021; Ravi Shankar, PhD 2021 (coadvisor with Y. Yuan); Kevin Chien (current PhD student); Haim Grebnev (current PhD student); Kelvin Lam (current PhD student); Ravil Mussabayev (current PhD student); Kevin Tully (current PhD student).