Plamen Stefanov

Curriculum Vitae

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Education and Qualifications

1984	M. S.	Mathematics Department, Sofia University
1988	Ph. D.	Mathematics Department, Sofia University
1993	Dr. Sci.	Sofia (this degree has no US equivalent)

Positions

1989–1993	Researcher, Institute of Mathematics of Bulgarian Academy of Sciences
1993–1998	Senior Researcher, Institute of Mathematics of Bulgarian Academy of Sciences
1994	Visiting Assistant Professor, University of Washington
1994–1995	Visiting Scientist, University of British Columbia
1996–1997	Visiting Assistant Professor, University of Washington
1998–2000	Assistant Professor, East Carolina University
2000–2006	Associate Professor, Purdue University
2006–	Professor, Purdue University. Associated Head for Graduate Studies, 2019–2023.

Other Visiting Positions, Fellowships and Honors:

1976	XVIII International Olympiad of Mathematics, Lienz, Austria, second prize
1977	XIX International Olympiad of Mathematics, Belgrade, Yugoslavia, second prize and a special prize for an original solution
1990 June	Chercheur Associé, University of Nantes, France
1990 August	Travel grant awarded by the International Mathematical Union for participation in the International Congress of Mathematicians, Kyoto
1992 April–Oct.	Post-doctoral fellowship, University of Bordeaux-I
1992–1993 Oct.–May	Research fellow, University of Helsinki
1994 spring	Chercheur Associé (CNRS), Université de Franche-Comté, Besançon, France
1995–1996 Nov.–May	Research fellowship awarded by the French Government, Université de Franche-Comté, Besançon, France
1996–2001	Associate member of the International Centre for Theoretical Physics, Trieste, Italy
1997 Sep. & Nov.	Visiting Professor, Fields Institute, Toronto, Canada
1998 Jan.–Oct.	Visiting Professor, Federal University of Pernambuco, Recife, Brazil
2001 June	Professeur Associé, Nantes University
2001 fall	Research Professor, MSRI, Berkeley
2010 June	Professeur Invité, Université Paris 13
2010 fall	Simons Visiting Professor, MSRI, Berkeley
2011 June	Professeur Invité, Metz University, France
2012 July–August	Scientific researcher, Fields Institute, Toronto
2013	Member of the Calderón Prize Committee
2015 June	Visiting Researcher, Institut Henry Poincaré, Paris
2016 fall	College of Science Research Award, Purdue University

Other Visiting Positions, Fellowships and Honors (cont'd):

2023 The paper [105] with Uhlmann and Vasy was featured in Nature (the news section) in 2017; it got one of the Frontiers of Science Awards at the International Congress of Basic Science 2023: recognized as one of the best three papers in Geometric Analysis published in 2018–2023.

Conference talks:

1. Conference on Partial Differential Equations, Ruse, Bulgaria, 1985.
2. C.I.M.E. Course on Microlocal Analysis and Applications, Montecatini Terme, Italy, July 3–11, 1989.
3. Conference on Partial Differential Equations, Ruse, Bulgaria, August 1989.
4. Conference on Integral Equations and Inverse Problems, Varna, Bulgaria, Sept. 18–23, 1989.
5. R.C.P. 264 Meeting on Inverse Problems, Montpellier, France, Nov. 27 – Dec. 01, 1989.
6. Conference on Inverse Problems in Engineering Sciences, Osaka, Japan, August 19–20, 1990.
7. IAMP 91 — 10th International Congress on Mathematical Physics, Leipzig, Germany, July 30 – August 9, 1991.
8. R.C.P.264 Meeting on Inverse Problems, Montpellier, France, Nov. 28 – Dec. 03, 1991.
9. The Lapland Conference on Inverse Problems, Finland, June 14–20, 1992.
10. Fourth Colloquium on Differential Equations, Plovdiv, Bulgaria, August 1993.
11. Conference on Electric Impedance Tomography, Seattle, July 23–27, 1995.
12. Journées Semi-Classiques 5, Université de Paris-Nord, France, Feb. 1996.
13. Microlocal Month, University of Pisa, Italy, June 1996.
14. Special Session "Inverse Problems: Theory and Practice", Corvallis, Oregon, April 1997.
15. Program in Microlocal Methods in Geometric Analysis and Mathematical Physics, Workshop on Microlocal Analysis and Mathematical Physics, Fields Institute, Toronto, Canada, Sept. 8–14, 1997
16. Workshop on Microlocal Methods in Geometric Analysis, Fields Institute, Toronto, Canada, Oct. 27–Nov. 2, 1997.
17. Conference on Microlocal Methods in Inverse Problems, Kyoto University, Kyoto, Japan, June 29–July 3, 1998.
18. AMS Special Session, Salt Lake City, Sep. 24-26, 1999.
19. Workshop, Program on Scattering Theory, Erwin Schrödinger Institute, Vienna, May 2001.
20. PDE conference, Plestin-les-Grèves, France, June 5-8, 2001.
21. Workshop on Inverse Problems at the MSRI, Nov. 2001.
22. Workshop on Inverse Problems and Applications, Cortona, Italy, June 3-9 2002.
23. AMS-UMI meeting, Pisa, Italy, June 12-16 2002.
24. Scattering and Inverse Scattering conference, Banff, Canada, March 2003.
25. MSRI workshop on Semiclassical Analysis, May 2003.
26. Symposium on Scattering Theory, Recife, Brazil, August 2003.

27. Conference "Perspectives in Inverse Problems", Helsinki, May 2004.
28. AMS Special Session on Inverse Problems, Vanderbilt University, October 2004.
29. AMS Special Session on Geometric Partial Differential Equations, Evanston, October 2004.
30. AMS Special Session on Mathematical Theory of Inverse Problems and Applications, Atlanta, January 2005.
31. Conference: "Eigenfunctions of the Laplacian", UW Seattle, July 27–28, 2005.
32. AMS Special Session on Scattering and Spectral Problems in Geometry, Lincoln, NE, October 21–23, 2005.
33. Conference: Analysis and Probability in Quantum Physics, Chile, July–Aug. 2006.
34. Conference on Inverse Problems in Sapporo, Japan, July 2006.
35. Workshop at Tsukuba University, Japan, July 2006.
36. Workshop on Inverse Problems, Banff, Aug. 2006.
37. AMS Special Session on Scattering Theory and Wave Propagation, Fayetteville, AR, Nov. 3-4, 2006.
38. AMS session at the National AMS meeting in New Orleans, January 2007.
39. Conference on Inverse Problems honoring Alberto Calderón, Rio de Janeiro, January, 2007.
40. Analyse microlocale et harmonique pur les problèmes inverses, C.I.R.M, Luminy, France, March 26–30, 2007.
41. Hyperbolic Operators and Scattering, Bordeaux, France, May 21–24, 2007.
42. Summer School on Inverse Problems and Radiative Transfer, Seattle, June 18–22, 2007.
43. First International Congress of IPIA, June 2007, plenary talk.
44. First International Congress of IPIA, June 2007, mini session talk.
45. Special AMS session: Wave Propagation from Mathematical and Numerical Viewpoints, De Paul University, Oct. 2007.
46. Summer School on Inverse Problems and Radiative Transfer, and a Workshop, UC Merced, June 2008.
47. Integral Geometry and Tomography, Stockholm University, August 12–15, 2008.
48. Second Symposium on Scattering and Spectral Theory, Serrambi, Brazil, August 18–22, 2008.
49. Inverse Problems: Recent Progress and New Challenges, Banff, Nov. 2008.
50. 1st PRIMA Congress, Sidney, June 6–10, 2009.
51. Conference on Applied Inverse Problems 2009, Vienna, Austria, July 20–24, 2009.
52. Mathematical Methods in Emerging Modalities of Medical Imaging, Banff, October 25–30, 2009
53. Joint AMS-Korean Math. Soc. Meeting, Seoul, December 16–20, 2009.
54. WIPA 2010 Workshop on Inverse Problems and Applications, Valparaiso, Chile, January 18–22, 2010.
55. Inverse Problems: Theory and Applications, MSRI Workshop, November 2010.
56. Computational Wave Propagation Workshop at MSU, April 2011.
57. AIP (Applied Inverse Problems) 2011, Texas A&M, May 2011.
58. AIP (Applied Inverse Problems) 2011, Texas A&M, May 2011, (second talk).

59. Microlocal Methods in Mathematical Physics and Global Analysis, Tübingen, Germany, June 14–18, 2011.
60. Inverse Problems in Analysis and Geometry workshop, Isaac Newton Institute, Cambridge, UK, August 1–5, 2011.
61. The 2012 Joint Mathematics Meetings in Boston, January 4–7, 2012, mini-symposium talk.
62. The 2012 Joint Mathematics Meetings in Boston, January 4–7, 2012, second mini-symposium talk.
63. Workshop on Geometric Analysis on Euclidean and Homogeneous Spaces at Tufts University, January 8–9, 2012.
64. PASI-CIPPDE 2012 — Pan-American Advanced Studies Institute — Inverse Problems and PDE Control, Santiago, Chile, 16–27 January 2012.
65. 6th International Conference "Inverse Problems", Antalya, Turkey, May 2012.
66. Semiclassical and multiscale aspects of wave propagation, Heraklion, Greece, May 28 – June 2, 2012.
67. 2012 SIAM Annual Meeting, Minneapolis, Minnesota, July 2012, mini-symposium talk.
68. International Conference on Inverse Problems and Applications in Honor of Gunther Uhlmann's 60th Birthday, Zhejiang University, Hangzhou, China, 17–21 September, 2012.
69. Coupled Physics Inverse Problems Conference, Santiago, Chile, 3–5 January 2013.
70. 2nd PRIMA Congress, talk at the section of Inverse Problems, Shanghai, China, June 2013.
71. Applied Inverse Problems Conference, Daejeon, Korea, July 2013.
72. Applied Inverse Problems Conference, Daejeon, Korea, July 2013 (second talk).
73. SIAM Annual Meeting, San Diego, July 8-12, 2013, mini-symposium talk.
74. Erwin Schrödinger Institute, May 2014.
75. Inverse Problems Conference, Luminy France, May 2014.
76. "Three days on analysis and PDEs" conference, Madrid, June 2014.
77. AIP-2015 (Applied Inverse Problems 2015), Helsinki, May 2015.
78. AIP-2015 (Applied Inverse Problems 2015), Helsinki, May 2015 (second talk).
79. Geometric Inverse Problems conference, IHP, Paris, June 2015.
80. Eighth International Conference "Inverse Problems: Modeling and Simulation". Turkey, May 2016.
81. 100 Years of Radon Transform conference, Linz, March 2017.
82. Midwestern Microlocal Meeting, Purdue University, May 2017.
83. Second International Conference "Mathematics Days in Sofia", Bulgaria, July 2017, plenary talk.
84. The Third Symposium on Scattering and Spectral Theory, Florianapolis, Brazil, July 2017.
85. AMS Sectional Meeting, Orlando, September 2017.
86. ORAM-8 (Ohio River Analysis Meeting), Lexington, March 2018.
87. Ninth International Conference "Inverse Problems: Modeling and Simulation, Malta, May 2018.
88. Workshop on Microlocal Analysis, The Alan Turing Institute, London, June 2018.
89. Conference on Mathematics of Wave Phenomena, Karlsruhe, Germany, July 2018.

90. Workshop “Inverse problems, PDE and geometry”, Jyväskylä, Finland, August, 2018.
91. BIRS Workshop, “Probing the Earth and the Universe with Microlocal Analysis”, Banff, April 2019.
92. IMA Workshop “Mathematics in Optical Imaging”, IMA Minneapolis, May 2019.
93. IAS Workshop on Inverse Problems, Imaging and Partial Differential Equations, HKUST IAS, Hong Kong, May 2019.
94. AIP-2019 (Applied Inverse Problems 2019), Grenoble, July 2019.
95. AIP-2019 (Applied Inverse Problems 2019), Grenoble, July 2019. (second talk)
96. Conference on Modern Challenges in Imaging, Tufts University, Medford, August 2019.
97. Workshop on forward and inverse kinetic theory, UW Madison, October 2019.
98. AMS Joint Math Meeting, Denver, January 2020.
99. SIMMAC: XXII International Symposium on Mathematical Methods Applied to Sciences, Universidad de Costa Rica, February 25–28, 2020, plenary talk.
100. Inverse and Ill-Posed Problems: Theory and Numerics. XIII international scientific conference and young scientist school, Novosibirsk, Russia, April 2021 (remote).
101. 33rd Brazilian Mathematics Colloquium, August 5, 2021 (remote).
102. Conference on Inverse problems and nonlinearity, Helsinki, August 25, 2021 (remote).
103. Special Semester Tomography Across the Scales Prequel Workshop, Linz, Austria, October 2021 (by zoom).
104. Statistical Aspects of Non-Linear Inverse Problems (Online), Banff, Canada, October 2021.
105. Eurasian Conference on Applied Mathematics–2021, Novosibirsk, Russia, Dec. 2021 (remote).
106. Inverse Problems in Analysis and Geometry, Helsinki, Finland, August, 2022.
107. Tomography Across the Scales, Workshop on Medical Imaging, Linz, Austria, October 2022.
108. Tomography Across the Scales, Workshop on Inverse Problems on Small Scales, Linz, Austria, October 2022.
109. Microlocal Analysis and Inverse Problems conference, Bordeaux, France, November 2022.
110. Modern challenges of inverse problems, Novosibirsk, December 2022 (remote).
111. Tomographic Inverse Problems: Mathematical Challenges and Novel Applications, Oberwolfach, Germany, May 2023.
112. New tomographic methods using particles, Isaac Newton Institute for Math Sciences, Cambridge, UK, May 2023.
113. Analytic techniques in Dynamics and Geometry, Les Diablerets, Switzerland, May 2023.
114. AIP-2023 (Applied Inverse Problems 2023), Göttingen, September 2023.
115. AIP-2023 (Applied Inverse Problems 2023), Göttingen, September 2023. (second talk)
116. Inverse Problems in the Physical Sciences, Jan. 2024, Puerto Varas, Chile.
117. Theory and Numerical Methods for Solving Inverse and Ill–Posed Problems, Novosibirsk (zoom), September 30 – October 3, 2024.

118. Modern challenges of inverse problems, Novosibirsk (zoom), October 3–5, 2024.
119. 2024 NZMS, AMS, AustMS Joint Conference, Auckland, New Zealand, December 2024.
120. AMS Sectional Meeting, Lawrence, KS, March 2025.
121. Applied Inverse Problems 2025 (AIP–2025), Rio de Janeiro, Brazil, July, 2025, plenary talk.
122. Applied Inverse Problems 2025 (AIP–2025), Rio de Janeiro, Brazil, July, 2025, second talk.

Summer school mini-courses given

- Summer School on Inverse Problems, UW Seattle, Aug. 1–5, 2005.
- Mini-course for graduate students at IMPA, Rio de Janeiro, January, 2007.
- Summer Grad Workshop at MSRI on Inverse Problems, July 20–31, 2009, a 5 lecture mini-course.
- Thematic Program on Inverse Probl. Imaging, The Field Institute, Toronto, July-August 2012, two mini courses.
- Mini-course on Microlocal Methods in Inverse Problems, UW Seattle, July 2013.
- Workshop on Inverse Problems and related topics (online), TATA Institute, India, Oct. 2021, a two-lecture mini-course.

Seminar and Colloquium talks

1. University of Nantes, France, May 1990.
2. University of Paris-Nord, France, June 1990.
3. University of Bordeaux-I, France, December, 1991, May 1992.
4. Université de Franche-Comté, Besançon, France, October 1992.
5. I.N.R.I.A., France, October 1992.
6. University of Helsinki, Finland, October, November 1992, January 1993.
7. University of Delaware, March 1993.
8. Kansas State University, March 1993.
9. Wichita State University, March 1993.
10. University of Nantes, France, Jan. 1994.
11. Université de Franche-Comté, Besançon, France, Feb. 1994.
12. Séminaire Problèmes spectraux en physique mathématique, Paris XIII/Paris XI/ l'E.N.S., Feb. 1994.
13. Institut Fourier, Grenoble, France, Feb. 1994.
14. Seminar on Multi-Dimensional Inverse Scattering, University of Washington, Seattle, April 1994.
15. Seminar on Inverse Scattering, University of British Columbia, Vancouver, Canada, April 1994.
16. Seminar on Partial Differential Equations, University of British Columbia, Vancouver, Canada, October 1994.
17. Université de Franche-Comté, Besançon, France, Dec. 1995.
18. University of Bordeaux-I, France, Feb. 1996.

19. University of Nantes, France, Feb. 1996.
20. UFPE, Recife, Brazil, Aug. 1996.
21. Differential Geometry/PDE Seminar, University of Washington, Seattle, Nov. 1996.
22. Differential Geometry/PDE Seminar, University of Washington, Seattle, Nov. 1997.
23. Seminar on PDE, Osaka University, Osaka, Japan, June 1998.
24. UFPE, Recife, Brazil, Sep. 1998.
25. PDE seminar, Purdue University, Febr. and March, 2001.
26. PDE seminar, University of Bordeaux, June 2001.
27. MSRI seminar, September 2001.
28. *Colloquium talk*, Math Department, University of California at Berkeley, Nov. 2001.
29. PDE seminar, University of Bologna, Italy, June 2002.
30. PDE seminar, University of Metz, June 2002.
31. PDE seminar, University of Washington, Seattle, July 2002.
32. MSRI seminar on Semiclassical Analysis, March 2003.
33. PDE/Inverse Problems seminar, Wichita State University, Wichita, April, 2003.
34. Inverse Problems seminar at UW, Seattle, May 2003.
35. PDE Seminar, University of Kentucky, November 2003.
36. PDE seminar, Northwestern University, February, 2004.
37. *Colloquium talk*, Department of Mathematics, University of Alabama at Birmingham, April 2004.
38. PDE seminar, University of Washington, Seattle, July 2004.
39. PDE seminar, University of Washington, Seattle, Feb. and March 2007.
40. *Colloquium talk* at the Department of Applied Physics and Applied Mathematics, Columbia University, May 2007.
41. *Colloquium talk* at the Department of Department of Mathematics, University of Washington, May 2008.
42. Applied Math Seminar, Michigan State University, Oct. 2008.
43. PDE seminar, University of Rochester, April 2009.
44. *Colloquium talk*, University of Western Australia, Perth, July 2009.
45. PDE seminar, UC–Berkeley, Oct. 2009.
46. Seminar, EPFL Lausanne, May 2010.
47. Applied Math Seminar, University of Bordeaux, June 2010.
48. Universté Paris 13, June 2010.
49. Metz University, July 2010.
50. Bay Area Microlocal Seminar, Stanford University, November 2010.
51. Metz University, June 2011.

52. *Colloquium talk*, Math. Dept., Central Florida University, November 2011.
53. *Colloquium talk*, Math. Dept., UC Irvine, March 2012.
54. Seminar talk, Ecole Normale Superieure, Paris, France, February 2013.
55. *Colloquium talk*, Dept. of Applied Math and Applied Physics, Columbia University, April 2013.
56. PDE seminar, UC California at Berkeley, May 2013.
57. *Colloquium talk*, Rensselaer Polytechnic Institute, Nov. 4, 2013.
58. Seminar talk, Math. Dept., University of Delaware, March 27, 2014.
59. Seminar talk, University of Cergy-Pontoise, June 2015.
60. Seminar talk, University of Kentucky, September 2016.
61. Seminar talk, University of Michigan, April 2017.
62. Calderón–Zygmund Analysis Seminar, University of Chicago, January 2018.
63. *Colloquium talk*, Michigan State University, Department of Computational Mathematics, Science and Engineering, October 2019.
64. *Colloquium talk*, University of Illinois at Urbana-Champaign, January 2020.
65. International Zoom Inverse Problems seminar, organized by UC at Irvine, May 2020.
66. Zoom *Colloquium*, TIFR CAM (India), November, 2020.
67. Zoom talk at the Analysis seminar at Yale University, November 2020.
68. Zoom talk at the PDE seminar at Purdue University, February 2021.
69. Scattering Theory seminar at Purdue University, September 2021.
70. International Zoom Inverse Problems seminar, organized by UC at Irvine, February 2023.
71. Seminar on Microlocal Analysis and Applications (online), Tsinghua University, China, May 2023.
72. *Colloquium talk*, Emory University, October 2023.
73. CMSE Seminar, Michigan State University, February 2024.
74. Scattering Theory seminar at Purdue University, February 2024.

Grants

- Bulgarian Research Foundation grant: *Scattering Theory and Inverse Problems.* 1991–94, PI.
- NSF grant: *U.S.–Bulgaria Mathematics Research on Multidimensional Inverse Scattering*. 1991–94. CoPI and PI of the Bulgarian team.
- NSF grant: *Inverse Problems and Scattering Poles*. Duration: May 2000 – May 2004,
- NSF grant: *Inverse Anisotropic Problems and Resonances*. May 2004 – May 2007.
- U.S. Civilian Research & Development Foundation (CRDF) grant: *Geometric Rigidity, Integral Geometry, and Inverse Problems*, No. 15483, Collaborative grant for US – Eurasia collaboration, CoPI. Feb. 2007 – Feb. 2010.
- NSF grant: *Collaborative Research: FRG: Inverse Problems in Transport Theory*. July 2006 – July 2009, CoPI.

- NSF grant: *US – Brazil Workshop on Scattering and Spectral Theory* in Recife and Serrambi, Brazil. Feb. 2008 – Feb. 2009,
- NSF grant: *Scattering and Traveltime Tomography*. May 2008 – May 2013,
- NSF grant: *Conference on Inverse Problems* in Irvine, CA, 2012.
- NSF grant: *Inverse Problems for Wave Phenomena*. August 2013 – August 2016.
- NSF grant: *Local Inverse Problems*. July 2016 – July 2019.
- NSF grant: *Inverse Problems in PDEs and Geometry*. August 2019 – July 2022.
- NSF grant: *Inverse Problems for nonlinear wave phenomena*. August 2022 – July 2025.
- NSF grant: *Nonlinear Inverse Problems*. July 1 2025 – July 2028 (recommended as of May 2025).

Conferences I helped organize

- *Conference on Integral Equations and Inverse Problems*, Varna, Bulgaria, September 18–23, 1989, member of the Organizing Committee.
- *Conference on Microlocal and Harmonic Analysis in Inverse Problems* at CIRM, Luminy, France, March 2007, member of the Scientific Committee
- *Second Symposium on Scattering and Spectral Theory* in Recife and Serrambi, Pernambuco, Brazil, August 11–22, 2008, member of the Organizing Committee.
- Workshop on *Inverse Transport Theory and Tomography*, Banff, May 16–21, 2010.
- *Conference on Inverse Problems in honor of Gunther Uhlmann*, UC Irvine, June 2012, main organizer.
- *The International Conference on Inverse Problems and Related Topics* 2014, Taiwan, December 15-19, 2014, member of the scientific committee.
- *Workshop on Inverse Problems in Scattering and Imaging*, Purdue, April 2016.
- Special session at the *100 Years of the Radon Transform* conference in Linz, Austria in March 2017.
- Special Semester on "Tomography Across the Scales" at the Johann Radon Institute for Computational and Applied Mathematics (RICAM), Linz, Austria, October–December 2020 (postponed to fall 2022 with a one-week "preview" conference in October 2021), held in 2022: one of the main organizers and a co-organizer of two workshops.
- Mathematics Days in Sofia, July 2020 (postponed).
- Mathematics Days in Sofia, July 2023.

Graduate students supervised

- An Fu, now holding a teaching position in Beijing.
- Bela Frigyik (joint student with Gunther Uhlmann), now faculty at the University of Pécs, Hungary.
- Venky Krishnan (joint student with Gunther Uhlmann), currently faculty at Tata Institute of Fundamental Research, India.
- Sean Holman (joint student with Gunther Uhlmann), currently faculty at the University of Manchester, UK.
- Carlos Montalto, currently a faculty at the Universidad de Costa Rica.

- Andrew Homan, currently working at Matrix Research.
- Peter Caday, UW (joint student with Gunther Uhlmann), took a post-doc at Rice University, currently at Intel.
- Paul Kepley, joint student with Marteen De Hoop, currently in the financial sector.
- Siamak Rabieniaharatbar, started an industry job in September 2020.
- Yang Zhang, currently a post-doc at UW-Seattle, started September 2020.
- Chase Mathison, faculty at the Shenandoah University, appointed there in fall 2020.
- Sebastián Muñoz, current, starting as a post-doc at the Sorbonne, Paris in the fall of 2025.
- currently working with Ali Sheikh, and Daniel Leyva to help them prepare for their Advanced Topic Exams.
- Divyansh Agrawal, advised him during the 2024-25 academic year as a visiting student from India.

Post-Docs supervised:

- Bela Frigyik, currently faculty at the University of Pécs, Hungary.
- Ha Pham, currently researcher at INRIA, France.
- Yang Yang, currently associated professor at MSU.
- Nikolaos Eptaminitakis, now at the Leibniz Universität Hannover, Germany.

Editor

- Inverse Problems and Imaging, since 2015.
- Journal of Inverse and Ill-Posed Problems, since 2017.

List of Publications of Plamen Stefanov

[1] P. Stefanov, Existence of the wave operators for dissipative systems. **Compt. Rend. Acad. Bulg. Sci.**, 37(6): 729–731, 1984.

[2] P. Stefanov, Existence and completeness of the wave operators for dissipative systems. **Serdica**, 13:126–132, 1987.

[3] V. Georgiev and P. Stefanov, Existence of the scattering operator for dissipative hyperbolic systems with variable multiplicity (with V. Georgiev). In **Differential equations and applications, I, II** (Russian) (Ruse, 1985), pages 659–662. "Angel Kanchev" Tech. Univ., Ruse, 1987.

[4] P. Stefanov, Existence and completeness of wave operators for Maxwell equations in inhomogeneous media. **Compt. Rend. Acad. Bulg. Sci.**, 38(5):547–550, 1985.

[5] V. Georgiev and P. Stefanov, Existence of the scattering operator for dissipative hyperbolic systems with variable multiplicities. **J. Operator Theory**, 19:217–241, 1988.

[6] P. Stefanov, Spectral and scattering theory for the linear Boltzmann equation in exterior domain. **Compt. Rend. Acad. Bulg. Sci.**, 40(1):21–23, 1987.

[7] P. Stefanov, Spectral and scattering theory for the linear Boltzmann equation in exterior domain. **Math. Nachr.**, 137:63–77, 1988.

[8] P. Stefanov, Inverse scattering problem for the wave equation with time dependent potential. **Compt. Rend. Acad. Bulg. Sci.**, 40(11):29–30, 1987.

[9] P. Stefanov, Inverse scattering problem for the wave equation with time dependent potential. **J. Math. Anal. Appl.**, 140:351–362, 1989.

[10] P. Stefanov, Unicité du problème inverse de diffusion pour l'équation des ondes avec un potentiel dépendant du temps. **C. R. Acad. Sci. Paris**, 305:411–413, 1987.

[11] P. Stefanov, Uniqueness of the inverse scattering problem for the wave equation with a potential depending on time. **Inverse Probl.**, 4:913–920, 1988.

[12] P. Stefanov, The Newton-Marchenko equation for time-dependent potentials. **Inverse Probl.** 4:921–928, 1988.

[13] P. Stefanov, Uniqueness of the three-dimensional inverse scattering problem for time-dependent potentials. **Inverse Probl.**, 5:L11–L14, 1989.

[14] P. Stefanov, Uniqueness of the multi-dimensional inverse scattering problem for time-dependent potentials. **Math. Z.**, 201:541–559, 1989.

[15] P. Stefanov, On the inverse scattering problem for a class of moving obstacles. **Compt. Rend. Acad. Bulg. Sci.**, 42(6):25–27, 1989.

[16] P. Stefanov, A uniqueness result for the inverse back-scattering problem. **Inverse Probl.**, 6:1055–1064, 1990.

[17] P. Stefanov, Some inverse problems in potential scattering. In: Integral Equations and Inverse Problems, **Pitman Research Notes in Mathematics Series**, 235, Longman Scientific & Technical, 1991.

[18] P. Stefanov, Inverse scattering problems for the wave equation with time dependent impurities, in **Inverse Problems in Action**, series IPTI, editor P. C. Sabatier, Springer, 212–226, 1990.

[19] P. Stefanov, Inverse scattering problem for moving obstacles. **Math. Z.**, 207:461–480, 1991.

[20] P. Stefanov, Stability of the inverse problem in potential scattering at fixed energy. **Ann. Inst. Fourier, Grenoble**, 40:867–884, 1990.

[21] P. Stefanov, Generic uniqueness for two inverse problems in potential scattering. **Commun. Partial. Differ. Equ.**, 17:55–68, 1992.

[22] A. G. Ramm and P. Stefanov, A three-dimensional Ambartsumian-type theorem. **Appl. Math. Lett.**, 5(5):87–88, 1992.

[23] A. G. Ramm and P. Stefanov, Fixed energy inverse scattering for non-compactly supported potentials. **Math. & Comput. Modeling**, 18:57–64, 1993.

[24] P. Stefanov, Stability of the resonances under smooth perturbations of the boundary. **Asymptot. Anal.**, 9:291–296, 1994.

[25] A. G. Ramm and P. Stefanov, Fixed energy inverse scattering for exponentially decreasing potentials. In: **Lecture Notes in Physics**, vol. 422, Springer, 189–192, 1993.

[26] P. Stefanov and G. Vodev, Distribution of resonances for the Neumann problem in linear elasticity outside a ball. **Ann. Inst. Henry Poincaré (Phys. Théorique)**, 60:303–321, 1994.

[27] A. G. Ramm and P. Stefanov, Scattering amplitude is not a finite rank kernel. **J. Inverse and Ill-Posed Prob.**, 1(4):349–353, 1993.

[28] P. Stefanov and G. Vodev, Distribution des résonances pour le système de l'élasticité. **Séminaire sur les Equations aux Dérivées Partielles, 1993–1994**, Exp. No. X, Ecole Polytech., Palaiseau, 1994.

[29] P. Stefanov and G. Vodev, Distribution of resonances for the Neumann problem in linear elasticity outside a strictly convex body,. **Duke Math. J.**, 78:677–714, 1995.

[30] M. Choulli and P. Stefanov, Scattering inverse pour l'équation du transport et relations entre les opérateurs de scattering et d'albédo. **C. R. Acad. Sci. Paris**, 320:947–952, 1995.

[31] P. Stefanov and G. Vodev, Neumann resonances in linear elasticity for an arbitrary body. **Comm. Math. Phys.**, 176:645–659, 1996.

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