

## SCIENTIFIC PRESENTATIONS

Prof. Dr. Sven-Ake Wegner

The list below contains all my conference presentations (including posters) and all seminar and colloquiums talks that I delivered as an invited guest speaker or that I gave at my home institution.

1. Inductive kernels for weighted PLB-spaces of continuous functions, Functional Analysis Seminar, University of Paderborn, Germany (12/07/2006)
2. Inductive kernels and projective hulls for weighted PLB- and LF-spaces of continuous functions, 12th International Conference on Representations of Algebras (ICRA 2007), Torun, Poland (23/08/2007)
3. Weighted PLB-spaces of holomorphic functions on the unit disc, Functional Analysis Seminar, University of Paderborn, Germany (15/11/2007)
4. The conditions (DN) and  $(\Omega)$  for weighted PLB-spaces of continuous functions, Functional Analysis Seminar, University of Paderborn, Germany (14/05/2008)
5. Weighted PLB-spaces of holomorphic functions, Functional Analysis Seminar, University of Paderborn, Germany (10/11/2008)
6. Weighted PLB-spaces of holomorphic functions, Research Seminar of the IRTG ‘Analysis and Geometry of Symmetries’, University of Paderborn, Germany (29/01/2009)
7. Weighted PLB-spaces of holomorphic functions, Seminar of the Institute for Pure and Applied Mathematics (IUMPA), Polytechnic University of Valencia, Spain (06/03/2009)
8. Weighted PLB-spaces of holomorphic functions, FNRS Functional Analysis Meeting, Esneux, Belgium (05/06/2009)
9. Semi-abelian categories and the hierarchy of locally convex spaces, Workshop on Functional Analysis on the Occasion of the 80th birthday of Manual Valdivia, Polytechnic University of Valencia, Spain (07-11/06/2010)
10. Weighted PLB-spaces of continuous functions that can be represented as the tensor product of a Fréchet and a DF-space, 32nd Northwest German Functional Analysis Seminar, University of Essen, Germany (26/06/2010)
11. Equidistant sets in metric spaces, Computer Science Seminar, Simon Fraser University, Burnaby, Canada (02/09/2010)
12. Semi-abelian categories and the hierarchy of locally convex spaces, Séminaire d’Analyse Liège Trèves (SALT), University of Liège, Belgium (03/12/2010)
13. Equidistant sets in metric spaces, Functional Analysis Seminar, University of Wuppertal, Germany (20/12/2010)
14. Equidistant sets in the hypercube, Mittagsseminar, Max–Planck–Institut for Informatics, Saarbrücken, Germany (15/03/2011)
15. Equidistant sets in the hypercube, Seminar of the Institute for Pure and Applied Mathematics (IUMPA), Polytechnic University of Valencia, Spain (26/07/2011)
16. Homological methods in functional analysis, Analysis Seminar, Sobolev Institute of Mathematics, Novosibirsk, Russia (24/08/2011)
17. Exact couples in non-abelian categories, Workshop on Spectral Sequences and Topological Tensor Products, Stiftsberg Bildungszentrum, Kyllburg (Eifel), Germany (29/09/2011)
18. Semigroups on locally convex spaces, Functional Analysis Seminar, University of Wuppertal, Germany (30/04/2012)
19. Equidistant sets in the hypercube, Conference in honor of Dietmar Vogt, Bedlewo, Poland (06/05/2012)
20. Exact structures on categories of locally convex spaces, 15th International Conference on Representations of Algebras, University of Bielefeld, Germany (16/08/2012)
21. Stability of semigroups beyond Banach spaces, Functional Analysis Seminar, University of Wuppertal, Germany (04/09/2012)
22. Stability of semigroups on locally convex spaces, 3rd International Conference of the Moroccan Society of Applied Mathematics (MS2A), Marrakesh, Morocco (10/09/2012)

23. Sobolev towers on locally convex spaces, Functional Analysis Seminar, University of Wuppertal, Germany (09/11/2012)
24. Stability of locally convex semigroups, Functional Analysis Seminar, University of Wuppertal, Germany (17/12/2012)
25. Stability of semigroups on locally convex spaces, Séminaire d'Analyse Liège Trèves (SALT), University of Trier, Germany (08/03/2013)
26. A universal extrapolation space, 84th GAMM Annual Meeting of the German Association of Applied Mathematics and Mechanics, Novi Sad, Serbia (18/03/2013)
27. Stability of semigroups on locally convex spaces, Workshop on Functional Analysis on the occasion of the 60th birthday of Andreas Defant (WFAV), Valencia, Spain (05/06/2013)
28. Asymptotics of operator semigroups on locally convex spaces, Analysis Seminar, Sobolev Institut of Mathematics, Novosibirsk, Russia (30/09/2013)
29. Exact structures on categories of locally convex spaces, Mal'tsev Meeting, Sobolev Institut of Mathematics, Novosibirsk, Russia (14/11/2013)
30. The growth bound for semigroups on Fréchet spaces, Functional Analysis Seminar, University of Wuppertal, Germany (12/12/2013)
31. Universal extrapolation spaces for  $C_0$ -semigroups, Seminar of the Institute for Pure and Applied Mathematics (IUMPA), Polytechnic University of Valencia, Spain (17/12/2013)
32. Exact structures in functional analysis, Topology Seminar, University of Wuppertal, Germany (18/06/2014)
33. The growth bound for semigroups on Fréchet spaces, Joint Meeting of RSME–SCM–SEMA–SIMAI–UMI, Bilbao, Spain (04/07/2014)
34. The growth bound for semigroups on Fréchet spaces, 25th International Workshop on Operator Theory and Applications (IWOTA), Amsterdam, The Netherlands (17/07/2014)
35. Exact couples in semi-abelian categories, 16th International Conference on Representations of Algebras (ICRA), Sanya, Hainan Province, China (25/08/2014)
36. The growth bound for semigroups on Fréchet spaces, Joint Annual Meeting of PTM-DMV, Poznań, Poland (24/09/2014)
37. Semigroups on locally convex spaces and stability, Functional Analysis Seminar, University of Wuppertal, Germany (04/11/2014)
38. Self-assessment of students, 2nd Hanse Conference for Mathematics Education, University of Münster, Germany (08/11/2014)
39. Evolution equations beyond Banach spaces, Mathematics Colloquium, University of Innsbruck, Austria (08/01/2015)
40. Non power bounded generators of semigroups, Seminar of the Institute for Pure and Applied Mathematics (IUMPA), Polytechnic University of Valencia, Spain (26/01/2015)
41. Boundary triplets, Functional Analysis Seminar, Wuppertal, Germany (11/02/2015)
42. Evolution equations beyond Banach spaces, Mathematics Colloquium, Nazarbayev University, Astana, Kazakhstan (10/03/2015)
43. Non-power bounded generators of semigroups on Fréchet spaces, Workshop of the GAMM Activity Group ‘Applied Operator Theory’, Eötvös Loránd University, Budapest, Hungary (16/05/2015)
44. The exponential function of a continuous operator, Mathematics Colloquium, Catholic University of Eichstätt, Germany (15/07/2015)
45. Is functional analysis a special case of tilting theory?, Algebra Seminar, Norwegian University of Science and Technology, Trondheim, Norway (24/02/2016)
46. The heart of the Banach spaces, Mathematics Colloquium, Nazarbayev University, Astana, Kazakhstan (07/10/2016)
47. Is functional analysis a special case of tilting theory?, Bielefeld Representation Theory Seminar, University of Bielefeld, Germany (28/10/2016)
48. The heart of the Banach spaces, Analysis Seminar, University of Kiel, Germany (02/02/2017)
49. Port-Hamiltonian PDEs on a semi-axis, Workshop of the GAMM Activity Group ‘Applied

- Operator Theory', Hamburg, Germany (19/05/2017)
50. Research-based learning in mathematics: The emperors new clothes?, Forschendes Lernen – The wider view, Westfälische Wilhelms-Universität Münster, Germany (27/09/2017)
  51. Port-Hamiltonian Partial Differential Equations on a semi-axis, 6th Hagen-Wuppertal Analysis Day, Fernuniversität Hagen, Germany (17/10/2017)
  52. A counterexample in ODE, Seminar of the Institute for Pure and Applied Mathematics (IUMPA), Polytechnic University of Valencia, Spain (27/11/2017)
  53. Well-posedness of port-Hamiltonian PDEs on a semi-axis, Nazarbayev University, Astana, Kazakhstan (06/04/2018)
  54. The heart of the Banach spaces, 50th Anniversary Meeting of the North British Functional Analysis Seminar (NBFAS), University of Edinburgh, United Kingdom (12-14/04/2018)
  55. The heart of the Banach spaces, 18th International Conference on Representations of Algebras (ICRA), Charles University, Prague, Czech Republic (17/08/2018)
  56. Is functional analysis a special case of tilting theory?, Algebra Seminar, University of Leeds, Leeds, United Kingdom (26/02/2019)
  57. The heart of the LB-spaces, Pure Maths Seminar, University of East Anglia, Norwich, United Kingdom (04/03/2019)
  58. The heart of the LB-spaces, University of Vorarlberg, Feldkirch, Austria (12/03/2019)
  59. Port-Hamiltonian systems on graphs, Conference ‘Analysis of and Analysis on Networks’, Teesside University, Middlesbrough, United Kingdom (22/03/2019)
  60. Dissipative extinctions and port-Hamiltonian systems on infinite networks, Functional Analysis Seminar, Wuppertal, Germany (07/05/2019)
  61. Port-Hamiltonian systems on infinite graphs, FNRS Functional Analysis Meeting, Liège, Belgium (09-10/05/2019)
  62. The hearts of Banach and LB-spaces, Functional Analysis Seminar, University of Trier, Germany (12/07/2019)
  63. Port-Hamiltonian differential equations on infinite networks, Applied Analysis Seminar, University of Strathclyde, Glasgow, United Kingdom (22/10/2019)
  64. Singular value decomposition and applications in data analysis, University of Chicago, Illinois, USA (23/02/2020)
  65. Approximation theorems for continuous functions and deep learning, Habilitationskolloquium, Bergische Universität Wuppertal, Germany (03/07/2020)
  66. L’analyse fonctionnelle, est il un cas particulier de la théorie d’inclinéson?, Séminaire au groupe de recherche en théorie des représentations des algèbres, Université de Sherbrooke, Canada (22/07/2020)
  67. Homework tasks that engage students in conjecturing, refuting and proving, MAA Contributed Paper Session on Inquiry-Based Learning and Teaching, Joint Mathematics Meetings (JMM 2021), fully online (07/01/2021)
  68. Dissipative extinctions and port-Hamiltonian systems on infinite networks, Systems Theory Seminar, Hamburg, Germany (15/01/2021)
  69. Mini-course on non-abelian categories in functional analysis, Conference on Additive Categories between Representation Theory and Functional Analysis, fully online (01-03/03/2021)
  70. Dissipative extinctions and port-Hamiltonian systems on infinite networks, Seminar of the Functional Analysis and Mathematical Physics Group, Fresno State University, California, USA (19/03/2021)
  71. Asymptotics of strongly continuous semigroups beyond Banach spaces, AMS Spring Western Sectional Meeting, fully online (01/05/2021)
  72. Non-abelian categories in functional analysis, Inaugural Lecture, University of Hamburg, Germany (26/05/2021)
  73. The heart of the Banach spaces, AMS Fall Western Sectional Meeting, fully online (23-24/10/2021)
  74. A Lumer-Phillips theorem for bi-continuous semigroups, AMS Spring Western Sectional

Meeting, fully online (14-15/05/2022)

75. The derived categories of the LB-spaces, Seminar of the Instituto Universitario de Matemática Pura y Aplicada, Valencia, Spain (22/03/2023)
76. The derived categories of the LB-spaces, BIREP Seminar, Bielefeld, Germany (26/04/2024)
77. The derived categories of the LB-spaces, FNRS Functional Analysis Meeting, Esneux, Belgium (23/05/2024)
78. The derived categories of the LB-spaces, 43. Nordwestdeutsches Funktionalanalysiskolloquium, Paderborn, Germany (13/07/2024)
79. Homological properties of the categories of complete and regular LB-spaces, Research Seminar on Algebraic Topology, Universität Hamburg (17/04/2025)
80. Data Science for ~~Dummies~~ Functional Analysts, Oberseminar Analysis, Mathematische Physik & Dynamische Systeme, TU Dortmund (27/05/25)
81. Homological properties of the categories of complete and regular LB-spaces, International Workshop on Functional Analysis on the Occasion of the 70th Birthday of José Bonet, Universidad Politécnica de Valencia, Valencia, Spain (18/06/2025)
82. Homological properties of the categories of complete and regular LB-spaces, Séminaire d'Analyse Liège Trèves (SALT), University of Trier, Germany (28/11/2025)

## CONFERENCE VISITS AND RESEARCH STAYS

Prof. Dr. Sven-Ake Wegner

The following list contains all conferences, workshops, summer schools etc. that I attended since 2005 including those where I didn't give a talk.

1. Joint meeting of AMS-DMV-ÖMG, Mainz, Germany (16-19/06/2005)
2. Conference on the occasion of the 70th birthday of Albrecht Pietsch, University of Paderborn, Germany (25/06/2005)
3. 6th NWDR Representation Theory Workshop, Paderborn, Germany (21-22/10/2005)
4. 28th Northwest German Functional Analysis Seminar, Düsseldorf, Germany (24/06/2006)
5. Summer School on Microlocal and Geometric Methods in Representation Theory, Reisensburg, Germany (17-28/08/2006)
6. Representations of Algebras and their Geometry, Conference in honor of Helmut Lenzing, Paderborn, Germany (10-11/11/2006)
7. FNRS Functional Analysis Meeting, Esneux, Belgium (07-08/06/2007)
8. 29th Northwest German Functional Analysis Seminar, Paderborn, Germany (23/06/2007)
9. 12th International Conference on Representations of Algebras and Workshop (ICRA 2007), Torun, Poland (15-24/08/2007)
10. FNRS Functional Analysis Meeting, Esneux, Belgium (05-06/06/2008)
11. 30th Northwest German Functional Analysis Seminar, Oldenburg, Germany (28/06/2008)
12. Summer School on Functional Analytic Methods in Partial Differential Equations, Leibniz University Hannover, Germany (01-05/09/2008)
13. 5th International Conference on Functional Analysis, Trier, Germany (07-13/09/2008)
14. Workshop on infinite-dimensional Lie Groups and related Functional Analysis, University of Paderborn, Germany (06-08/11/2008)
15. Triangulated Categories and Singularities, Paderborn, Germany (26-30/05/2009)
16. FNRS Functional Analysis Meeting, Esneux, Belgium (05/06/2009)
17. 31st Northwest German Functional Analysis Seminar, Düsseldorf, Germany (27/06/2009)
18. 3rd Winter School in Complex Analysis and Operator Theory, Valencia, Spain (02-05/02/2010)
19. Workshop on Non-Archimedian Analysis, Paderborn, Germany (08-12/02/2010)
20. FNRS Functional Analysis Meeting, Esneux, Belgium (27-28/05/2010)
21. Conference in Memoriam Klaus-Dieter Bierstedt, Paderborn, Germany (29/05/2010)
22. Workshop on Functional Analysis on the Occasion of the 80th birthday of Manual Valdivia, Polytechnic University of Valencia, Spain (07-11/06/2010)
23. 32nd Northwest German Functional Analysis Seminar, Essen, Germany (26/06/2010)
24. Miniworkshop on Well-posedness and Controllability of Evolution Equations, Mathematisches Forschungsinstitut Oberwolfach, Germany (12-13/12/2010)
25. Analysis Trimester, Valencia, Spain (24-25/03/2011)
26. FNRS Functional Analysis Meeting, Esneux, Belgium (31-01/06/2011)
27. 14th Internet Seminar on Evolution Equations (ISEM), Blaubeuren, Germany (06-10/06/2011)
28. 33rd Northwest German Functional Analysis Seminar, Wuppertal, Germany (09/07/2011)
29. Annual Meeting of the DMV, Köln, Germany (19-22/09/2011)
30. Workshop on Spectral Sequences and Topological Tensor Products, Stiftsberg Bildungszentrum, Kyllburg (Eifel), Germany (29-30/09/2011)
31. Conference in honor of Dietmar Vogt, Bedlewo, Poland (07-12/05/2012)
32. 15th Internet Seminar on Evolution Equations (ISEM), Blaubeuren, Germany (03-09/06/2012)
33. 34th Northwest German Functional Analysis Seminar, Münster, Germany (23/06/2012)
34. 15th International Conference on Representations of Algebras (ICRA 2012), University of Bielefeld, Germany (13-17/08/2012)

35. 3rd International Conference of the Moroccan Society of Applied Mathematics (MS2A), Marrakesh, Morocco (10-13/09/2012)
36. Annual Meeting of the DMV, Saarbrücken, Germany (17-20/09/2012)
37. 84th GAMM Annual Meeting of the German Society of Applied Mathematics and Mechanics, Novi Sad, Serbia (18-22/03/2013)
38. Conference in Memoriam Dieter Happel, Chemnitz, Germany (03-04/05/2013)
39. Workshop of the GAMM Activity Group ‘Applied Operator Theory’, Technical University of Berlin, Germany (30-31/05/2013)
40. Workshop on Functional Analysis on the occasion of the 60th birthday of Andreas Defant (WFAV), Valencia, Spain (03-06/06/2013)
41. 35th Northwest German Functional Analysis Seminar, Düsseldorf, Germany (29/06/2013)
42. 17th NWDR Representation Theory Workshop, Wuppertal, Germany (12/07/2013)
43. Malt'sev Meeting, Sobolev Institut of Mathematics, Novosibirsk, Russia (12-15/11/2013)
44. FNRS Functional Analysis Meeting, Esneux, Belgium (12-13/06/2014)
45. 1st Joint Meeting of RSME–SCM–SEMA–SIMAI–UMI, Bilbao, Spain (30/06-04/07/2014)
46. 25th International Workshop on Operator Theory and Applications (IWOTA), The Netherlands (14-18/07/2014)
47. 16th International Conference on Representations of Algebras (ICRA 2014), Sanya, Hainan Province, China (25-29/08/2014)
48. Joint Annual Meeting of PTM-DMV, Poznań, Poland (17-20/09/2014)
49. 2nd Hanse Conference for Mathematics Education, University of Münster, Germany (08/11/2014)
50. Homological Interactions between Representation Theory and Geometry, University of Edinburgh, UK (15-19/12/2014)
51. 1st Hagen-Wuppertal Analysis Day, Wuppertal, Germany (28/04/2015)
52. Workshop of the GAMM Activity Group ‘Applied Operator Theory’, Eötvös Loránd University, Budapest, Hungary (15-17/05/2015)
53. Workshop on Functional Analysis on the Occasion of the 60th birthday of José Bonet, Valencia, Spain (15-19/06/2015)
54. Silting theory and related topics, Verona, Italy (02-04/07/2015)
55. Summer School on Semigroups for Dynamical Systems, Wuppertal, Germany (19-24/07/2015)
56. Workshop ‘Algebra across the borders’, Astana/Almaty, Kazakhstan (8-13/09/2015)
57. Stability and Control of Infinite-Dimensional Systems, Passau, Germany (12-14/10/2016)
58. 4th Hagen-Wuppertal Analysis Day, Wuppertal, Germany (30/11/2016)
59. 3rd Miniworkshop on Operator Theoretic Aspects of Ergodic Theory, University of Leipzig, Germany (20-21/01/2017)
60. 88th GAMM Annual Meeting of the German Society of Applied Mathematics and Mechanics, Weimar, Germany (06-10/03/2017)
61. 5th Hagen-Wuppertal Analysis Day, Wuppertal, Germany (02/05/2017)
62. Triangulated Categories and Geometry, Conference in Honor of Amnon Neeman, Bielefeld, Germany (15-19/05/2017)
63. Workshop of the GAMM Activity Group ‘Applied Operator Theory’, Technical University of Hamburg, Germany (19-20/05/2017)
64. 20th Internet Seminar on Evolution Equations (ISEM), Baronissi, Italy (19-23/06/2017)
65. Forschendes Lernen—The wider view, Westfälische Wilhelms-Universität Münster, Germany (25-27/09/2017)
66. 6th Hagen-Wuppertal Analysis Day, Hagen, Germany (17/10/2017)
67. Control theory of infinite-dimensional systems, Hagen, Germany (10-12/01/2018)
68. 50th Anniversary Meeting of the North British Functional Analysis Seminar (NBFAS), University of Edinburgh, United Kingdom (12-14/04/2018)
69. North British Functional Analysis Seminar (NBFAS), Newcastle University, Newcastle-upon-Tyne, United Kingdom (12-14/04/2018)

Tyne, United Kingdom (28-29/05/2018)

70. 18th International Conference on Representations of Algebras (ICRA), Charles University, Prague, Czech Republic (13-17/08/2018)
71. Joint Mathematics Meetings (JMM 2019), Baltimore, USA (16-19/01/2019)
72. Analysis of and Analysis on Networks, Teesside University, United Kingdom (22/03/2019)
73. FNRS Functional Analysis Meeting, Liège, Belgium (09-10/05/2019)
74. 23rd Internet Seminar on Evolution Equations (ISEM), fully online (21-27/06/2020)
75. Joint Mathematics Meetings (JMM 2021), fully online (06-09/01/2021)
76. Conference on Additive Categories between Representation Theory and Functional Analysis, fully online (01-05/03/2021)
77. AMS Spring Western Sectional Meeting, fully online (1-2/05/2021)
78. 3rd Workshop on Stability and Control of Infinite-Dimensional Systems, Wuppertal, Germany (27-29/09/2021)
79. AMS Fall Western Sectional Meeting, fully online (23-24/10/2021)
80. AMS Spring Western Sectional Meeting, fully online (14-15/05/2022)
81. Representation Theory and Triangulated Categories, Paderborn, Germany (26-30/09/2022)
82. Research Stay at the Instituto Universitario de Matemática Pura y Aplicada, Universidad Politécnica de Valencia, Spain (20-30/03/2023)
83. Seminar Bremen–Hamburg<sup>2</sup>–Kiel, Kiel, Germany (10/02/2023)
84. Seminar Bremen–Hamburg<sup>2</sup>–Kiel, Hamburg, Germany (14/07/2023)
85. Representation Theory and Non-Commutative Geometry (ARTIG 3) — A conference in memory of Helmut Lenzing, Paderborn, Germany (01-02/12/2023)
86. FNRS Functional Analysis Meeting, Esneux, Belgium (22-23/05/2024)
87. 43. Nordwestdeutsches Funktionalanalysiskolloquium, Paderborn, Germany (13/07/2024)
88. Learning mathematics with LEAN — Third Event, Online-Conference (01-03/04/2025)
89. 44. Nordwestdeutsches Funktionalanalysiskolloquium, Oldenburg, Germany (10/05/2025)
90. International Workshop on Functional Analysis on the Occasion of the 70th Birthday of José Bonet, Universidad Politécnica de Valencia, Valencia, Spain (17-19/06/2025)
91. Bremen-Hamburg<sup>2</sup>-Kiel-Oldenburg-Seminar, Hamburg, Germany (11/07/2025)
92. Research stay at Pädagogische Hochschule Graubünden, Chur, Switzerland (31/08-03/09/2025)
93. Higher Structures: Recent developments and applications, Hamburg, Germany (08-12/09/2025)