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                              Scopus Profile  
                              MathSciNet Profile  
                              ResearchGate Profile  
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Date & place of birth   05.07.1986, Odesa, Ukraine  
Citizenship             Ukraine  
Residence permit       Germany



## EDUCATION

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- University of Bremen, Bremen, Germany, 2009–2012.  
Degree:       Ph.D. in mathematics (awarded in July 2012).  
PhD thesis:   ”Input-to-state stability of infinite-dimensional control systems”.  
Supervisor:   Prof. Sergey Dashkovskiy  
Reviewers:    Prof. Sergey Dashkovskiy, Prof. Fabian Wirth
- I.I. Mechnikov Odesa National University, Odesa, Ukraine, 2006–2008.  
Degree:       M.Sc. (applied mathematics), Degree with Honours (awarded in June 2008).  
Thesis:       ”Mathematical modeling of an agrocoenosis”.
- I.I. Mechnikov Odesa National University, Odesa, Ukraine, 2002–2006.  
Degree:       B.Sc. (applied mathematics), Degree with Honours (awarded in July 2006).

## ACADEMIC CAREER

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10.2014 – today        *Postdoc* at the University of Passau, Germany.  
12.2013 – 06.2014     *Fellow of Japan Society for the Promotion of Science (JSPS)* at Kyushu Institute of Technology, Japan.  
08.2012 – 09.2014     *Postdoc* at the University of Würzburg, Chair of Dynamics and Control.  
05.2009 – 07.2012     *Researcher* at the Department of Mathematics and Computer Science, University of Bremen.

## Short-term research visits

08.2016                *Research visit* at Cymer Center for Control Systems and Dynamics, University of California at San Diego (UCSD).  
Host researcher: Prof. Miroslav Krstic.  
09.2013 – 10.2013     *Research visit* at University of Illinois at Urbana-Champaign (UIUC).  
Host researcher: Prof. Daniel Liberzon.

## HONORS

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2013      [Postdoctoral Fellowship](#) of the [Japan Society for the Promotion of Science \(JSPS\)](#) (12.2013 – 06.2014).

## GRANTS

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Below DFG stays for German Research Foundation (ger. Deutsche Forschungsgemeinschaft).

11.2018 – 10.2020    I have obtained (as a principal investigator) the DFG Research grant (MI 1886/2-1) 'Robust stabilization of interconnected infinite-dimensional systems with boundary couplings' (1 full position for 2 years,  $\approx$  **184.000 €**).

2016      Grants for organisation of the [Workshop 'Stability and Control of Infinite-Dimensional Systems'](#),  $\approx$  16300 €.

- DFG Grant MI 1886/1-1 (International Scientific Events),  $\approx$  11000 €.
- University of Passau 'Veranstaltungspool'-grant,  $\approx$  5300 €.

10.2015 – 10.2017    I coordinated and coauthored preparation of the proposal for a [DFG Research Grant](#) for the project 'Input-to-state stability and stabilization of distributed parameter systems'. Principal investigators: Prof. Sergey Dashkovskiy, Prof. Birgit Jacob, Prof. Fabian Wirth (in total **over 400.000 €**).

12.2013 – 06.2014    [Postdoctoral Fellowship](#) of the [Japan Society for the Promotion of Science \(JSPS\)](#) (¥2.430.500  $\approx$  €17.500) for the project: 'Lyapunov methods for dissipativity of infinite-dimensional systems'. Host researcher: [Prof. Hiroshi Ito](#).

## TEACHING EXPERIENCE

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### University of Passau, Germany:

2018      Ordinary Differential Equations, 5750V, Lecturer + Tutor (in German).  
2017/2018      Mathematics in Technical Systems III, 5362V, Lecturer + Tutor (in German).  
2015/2016      Semigroup Theory, 5961V, Lecturer + Tutor (in German).    [Slides \(Main results\)](#)  
2015      Port-Hamiltonian Infinite-Dimensional Systems, Seminar organiser (in English).  
2014/2015      Mathematics in Technical Systems III, 5362UE, Tutor (in German).  
2014/2015      Ordinary Differential Equations, 5750UE, Tutor (in German).      [Problem list](#)

### Mechnikov Odesa National University, Ukraine:

Sep-Oct 2015      [Introduction to input-to-state stability theory](#), Invited Lecturer.    [Lecture notes](#)

### University of Würzburg, Germany:

2012/2013      Control theory, Tutor (in English & German).

### University of Bremen, Germany:

2011      Mathematics 2 for engineers, 04-26-2-M2-Ü, Tutor (in German).  
2010/2011      Mathematics 1 for engineers, 04-26-1-M1-Ü, Tutor (in German).  
2010      Stability of interconnected dynamical systems, 03-224, Tutor (in English).

## Supervision of students' theses

2010 (as a co-supervisor) Leontina Levenzon. Mathematische Modellierung und Untersuchung dynamischer Prozesse in Lieferketten. Diplom thesis, University of Bremen.

## ORGANISATION OF SCIENTIFIC EVENTS

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2020 Co-organiser of the 3<sup>rd</sup> Workshop 'Stability and Control of Infinite-Dimensional Systems' (SCINDIS 2020), Wuppertal, Germany, October 2020.

2018 – 2019 Co-organiser of invited sessions at:

- 90th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Vienna, 2019 (with F. Schwenninger).
- 23rd International Symposium on Mathematical Theory of Systems and Networks, Hong-Kong, 2018 (with B. Jacob).

2018 Co-organiser of the 2<sup>nd</sup> Workshop 'Stability and Control of Infinite-Dimensional Systems' (SCINDIS 2018), Würzburg, Germany, 10–12 October 2018.

- 66 participants from 21 countries.
- Supported by DFG Grant (International Scientific Events): 12600 €.

2016 Co-organizer of the 1<sup>st</sup> Workshop 'Stability and Control of Infinite-Dimensional Systems' (SCINDIS 2016), Passau, Germany, 12–14 October 2016.

- 47 participants from 12 countries, 22 Speakers and 10 poster presentations.
- Supported by DFG Grant MI 1886/1-1 (International Scientific Events) and 'Veranstaltungspool'-grant of the University of Passau, in total  $\approx 16300$  €.

## SCIENTIFIC COMMUNITY SERVICE

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### Editorial and Committee work

- Guest Editor for the Topical Collection on "Input-to-state stability for infinite-dimensional systems" in the Journal on Mathematics of Control, Signals, and Systems (MCSS), 2018.
- Guest Editor for the Special Issue on "Stability and Control of Infinite-Dimensional Systems" in Mathematical Control & Related Fields (MCRF), 2018.
- Member of the appointment committee for the professorships:
  - 'Sensor-Based Systems' at the Faculty of Computer Science and Mathematics, the University of Passau, Germany, 2018.
  - 'Intelligent Systems' at the Faculty of Computer Science and Mathematics, the University of Passau, Germany, 2018.

### Session Chair at International Conferences

- At the 23rd International Symposium on Mathematical Theory of Systems and Networks (MTNS 2018), Hong-Kong, 2018:
  - "Nonlinear Systems and Control II" (Session Chair)
  - "Input-to-State Stability of Distributed Parameter Systems" (Session Chair, Session Co-organizer)
- At the 90th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Vienna, 2019: (with F. Schwenninger).
  - "Input-to-State Stability of Distributed Parameter Systems" (Session Chair, Session Co-organizer)

## Reviewer

**Journals:** IEEE Transactions on Automatic Control • SIAM Journal on Control and Optimization  
Mathematics of Control, Signals, and Systems • Systems & Control Letters • Automatica Journal  
of Differential Equations • International Journal of Control • IET Control Theory & Applications  
• Theoretical Ecology.

**Conferences:** International Symposium on Mathematical Theory of Networks and Systems (MTNS)  
Conference on Decision and Control (CDC) • World Congress of the International Federation of  
Automatic Control (IFAC WC) • American Control Conference (ACC) • European Control  
Conference (ECC) • Chinese Control and Decision Conference (CCDC).

## LANGUAGES

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- Ukrainian - native
- Basics of Git, <https://bitbucket.org/andmir/>
- English, German, Russian - very good
- Scientific programming: Matlab/Octave/Scilab

## COOPERATION PARTNERS

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- Prof. S. Dashkovskiy (U Würzburg, Germany)
- Prof. B. Jacob (U Wuppertal, Germany)
- Prof. H. R. Karimi (Politecnico di Milano, Italy)
- Prof. M. Krstic (UC San Diego, USA)
- Prof. J. Partington (U Leeds, UK)
- Dr. K. Wulff (TU Ilmenau, Germany)
- Prof. H. Ito (Kyushu Inst. of Tech., Japan)
- Prof. I. Karafyllis (TU Athens, Greece)
- Prof. J. Kozłowski (Jagiellonian U, Poland)
- Prof. D. Liberzon (UI Urbana Champaign, USA)
- Prof. F. Wirth (U Passau, Germany)
- Dr. G. Yang (UC Santa-Barbara, USA)

## PUBLICATIONS

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You can consult also my profiles at [Google Scholar](#), [MathSciNet](#), [ResearchGate](#).

### Journal papers (published & accepted)

- [19] A. Mironchenko. Small gain theorems for general networks of heterogeneous infinite-dimensional systems. *Submitted to SIAM Journal on Control and Optimization*, 2019.
- [18] A. Mironchenko, F. Wirth. Existence of non-coercive Lyapunov functions is equivalent to integral uniform global asymptotic stability. *Provisionally accepted to Mathematics of Control, Signals, and Systems*, 2018. Preprint
- [17] A. Mironchenko, I. Karafyllis, M. Krstic. Monotonicity Methods for Input-to-State Stability of Nonlinear Parabolic PDEs with Boundary Disturbances. *Accepted to SIAM Journal on Control and Optimization*, 2018. Preprint
- [16] A. Mironchenko, F. Wirth. Non-coercive Lyapunov functions for infinite-dimensional systems. *Accepted to Journal of Differential Equations*, 2018, doi:10.1016/j.jde.2018.11.026. Preprint
- [15] A. Mironchenko. Criteria for input-to-state practical stability. *IEEE Transactions on Automatic Control*, 64(1):298–304, 2019. Preprint
- [14] A. Mironchenko, F. Wirth. Lyapunov characterization of input-to-state stability for semilinear control systems over Banach spaces. *Systems & Control Letters*, 119:64–70, 2018. Preprint
- [13] A. Mironchenko, F. Wirth. Characterizations of input-to-state stability for infinite-dimensional systems. *IEEE Transactions on Automatic Control*, 63(6):1602–1617, 2018. Preprint
- [12] A. Mironchenko, G. Yang, D. Liberzon. Lyapunov small-gain theorems for networks of not necessarily ISS hybrid systems. *Automatica*, 88:10–20, 2018. Preprint
- [11] A. Mironchenko. Uniform weak attractivity and criteria for practical global asymptotic stability. *Systems & Control Letters*, 105:92–99, 2017. Preprint
- [10] A. Mironchenko, Hiroshi Ito. Characterizations of integral input-to-state stability for bilinear systems in infinite dimensions. *Mathematical Control and Related Fields*, 6(3):447–466, 2016. Preprint

- [9] A. Mironchenko. [Local input-to-state stability: characterizations and counterexamples](#). *Systems & Control Letters*, 87:23–28, 2016. Preprint
- [8] A. Mironchenko, Hiroshi Ito. [Construction of Lyapunov functions for interconnected parabolic systems: an iISS approach](#). *SIAM Journal on Control and Optimization*, 53(6):3364–3382, 2015. Preprint
- [7] A. Mironchenko, F. Wirth, K. Wulff. [Stabilization of switched linear differential-algebraic equations via time-dependent switching signals](#). *IEEE Transactions on Automatic Control*, 60(8):2102–2113, 2015. Preprint
- [6] A. Mironchenko, J. Kozłowski. [Optimal allocation patterns and optimal seed mass of a perennial plant](#). *Journal of Theoretical Biology*, 354:12–24, 2014. Preprint
- [5] S. Dashkovskiy, A. Mironchenko. [Input-to-state stability of nonlinear impulsive systems](#). *SIAM Journal on Control and Optimization*, 51(3):1962–1967, 2013. Preprint
- [4] S. Dashkovskiy, A. Mironchenko. [Input-to-state stability of infinite-dimensional control systems](#). *Mathematics of Control, Signals, and Systems*, 25(1):1–35, 2013. Preprint
- [3] S. Dashkovskiy, M. Kosmykov, A. Mironchenko, L. Naujok. [Stability of interconnected impulsive systems with and without time-delays using Lyapunov methods](#). *Nonlinear Analysis: Hybrid Systems*, 6(3):899–915, 2012. Preprint
- [2] S. Dashkovskiy, M. Görges, M. Kosmykov, A. Mironchenko, L. Naujok. [Modelling and stability analysis of autonomous controlled production networks](#). *Logistics Research*, 3(2):145–157, 2011. Preprint
- [1] S. Dashkovskiy, H.-J. Kreowski, S. Kuske, A. Mironchenko, L. Naujok, C. von Totth. [Production Networks as Communities of Autonomous Units and Their Stability](#). *International Electronic Journal of Pure and Applied Mathematics*, 2(1):17–42, 2010.

### Conference articles and book chapters (published & accepted)

- [23] B. Jacob, A. Mironchenko, J. R. Partington and F. Wirth. [Remarks on input-to-state stability and non-coercive Lyapunov functions](#). *Accepted to the 57th IEEE Conference on Decision and Control (CDC 2018)*, Miami Beach, USA, 2018.
- [22] A. Mironchenko, F. Wirth. [Integral uniform global asymptotic stability and non-coercive Lyapunov functions](#). *Proc. of the 23rd International Symposium on Mathematical Theory of Networks and Systems (MTNS 2018)*, Hong Kong, pp. 734–741, 2018.
- [21] A. Mironchenko, I. Karafyllis, M. Krstic. [Input-to-State Stability of Nonlinear Parabolic PDEs with Dirichlet Boundary Disturbances](#). *Proc. of the 23rd International Symposium on Mathematical Theory of Networks and Systems (MTNS 2018)*, Hong Kong, pp. 38–44, 2018.
- [20] A. Mironchenko, F. Wirth. [Input-to-state stability of time-delay systems: criteria and open problems](#). *Proc. of the 56th IEEE Conference on Decision and Control (CDC 2017)*, Melbourne, Australia, pp. 3719–3724, 2017.
- [19] A. Mironchenko, F. Wirth. [A non-coercive Lyapunov framework for stability of distributed parameter systems](#). *Proc. of the 56th IEEE Conference on Decision and Control (CDC 2017)*, Melbourne, Australia, pp. 1900–1905, 2017.
- [18] G. Yang, D. Liberzon, A. Mironchenko. [Analysis of different Lyapunov function constructions for interconnected hybrid systems](#). *Proc. of the 55th IEEE Conference on Decision and Control (CDC 2016)*, Las-Vegas, Nevada, USA, pp. 465–470, 2016.
- [17] A. Mironchenko, F. Wirth. [Global converse Lyapunov theorems for infinite-dimensional systems](#). *Proc. of the 10th IFAC Symposium on Nonlinear Control Systems (NOLCOS 2016)*, Monterey, California, USA, 909–914, 2016.
- [16] A. Mironchenko, F. Wirth. [Restatements of input-to-state stability in infinite dimensions: what goes wrong?](#) *Proc. of the 22nd International Symposium on Mathematical Theory of Networks and Systems (MTNS 2016)*, Minneapolis, Minnesota, USA, pp. 667–674, 2016.
- [15] A. Mironchenko, F. Wirth. [A note on input-to-state stability of linear and bilinear infinite-dimensional systems](#). *Proc. of the 54th IEEE Conference on Decision and Control (CDC 2015)*, Osaka, Japan, pp. 495–500, 2015.



- [14] A. Mironchenko, H. Ito. [Construction of iISS Lyapunov functions for interconnected parabolic systems](#). *Proc. of the European Control Conference 2015 (ECC15)*, 15.07.-17.07.2015, Linz, Austria, pp. 37–42, 2015.
- [13] A. Mironchenko, H. Ito. [Integral input-to-state stability of bilinear infinite-dimensional systems](#). *Proc. of the 53th IEEE Conference on Decision and Control (CDC 2014)*, Los-Angeles, USA, pp. 3155–3160, 2014.
- [12] S. Dashkovskiy, A. Mironchenko. [Stability of nonlinear infinite dimensional impulsive systems and their interconnections](#). *Proc. of the 53th IEEE Conference on Decision and Control (CDC 2014)*, Los-Angeles, USA, pp. 2071–2076, 2014.
- [11] A. Mironchenko, G. Yang, D. Liberzon. [Lyapunov small-gain theorems for not necessarily ISS hybrid systems](#). *Proc. of the 21st International Symposium on Mathematical Theory of Networks and Systems (MTNS 2014)*, Groningen, Netherlands, pp. 1001–1008, 2014.
- [10] S. Dashkovskiy, A. Mironchenko. Lyapunov methodology for stability analysis of impulsive systems. *Proc. of the SICE Multi Symposium on Control Systems 2014*, Tokyo, Japan, 2014 (Proceedings CD).
- [9] A. Mironchenko, F. Wirth, K. Wulff. [Stabilization of switched linear differential-algebraic equations via time-dependent switching signals](#). *Proc. of the 52th IEEE Conference on Decision and Control (CDC 2013)*, Florence, Italy, pp. 5975–5980, 2013.
- [8] A. Mironchenko, J. Kozłowski. Optimal allocation strategies of perennial plants. *Proc. of the 52th IEEE Conference on Decision and Control (CDC 2013)*, Florence, Italy, pp. 3361–3366, 2013.
- [7] S. Dashkovskiy and A. Mironchenko. Constructions of ISS-Lyapunov functions for interconnected impulsive systems. *Proc. of the 51th IEEE Conference on Decision and Control (CDC 2012)*, Hawaii, USA, pp. 6831–6836, 2012.
- [6] S. Dashkovskiy, A. Mironchenko. [Dwell-time conditions for robust stability of impulsive systems](#). *Proc. of the 20th International Symposium on Mathematical Theory of Networks and Systems (MTNS 2012)*, Melbourne, Australia, 2012 (paper 72, Proceedings CD).
- [5] S. Dashkovskiy, A. Mironchenko. Local ISS of Reaction-Diffusion Systems. *Proc. of the 18th IFAC World Congress*, Milan, Italy, pp. 11018–11023, 2011.
- [4] S. Dashkovskiy, A. Mironchenko, L. Naujok. Autonomous and Central Control of Production Networks. In: *Autonomous Cooperation and Control in Logistics*, M. Hülsmann, B. Scholz-Reiter, K. Windt (Eds.), pp. 27–43, Springer Verlag, 2011.
- [3] S. Dashkovskiy, A. Mironchenko. [On the uniform input-to-state stability of reaction-diffusion systems](#). *Proc. of the 49th IEEE Conference on Decision and Control (CDC 2010)*, Atlanta, USA, pp. 6547–6552, 2010.
- [2] S. Dashkovskiy, H. R. Karimi, M. Kosmykov, A. Mironchenko, L. Naujok. Application of the LISS Lyapunov-Krasovskii small-gain theorem to autonomously controlled production networks with time-delays. *Proc. of the Conference on Control and Fault-Tolerant Systems*, Nice, France, pp. 765–770, 2010.
- [1] S. Dashkovskiy, H.-J. Kreowski, S. Kuske, A. Mironchenko, L. Naujok, C. von Totth. Production Networks as Communities of Autonomous Units and Their Stability. *Proc. of the 3rd International Workshop on Graph Computation Models*, Enschede, Netherlands, pp. 17–32, 2010.

## Book

- [1] A. Mironchenko. [Imperative and object-oriented programming in languages Turbo Pascal and Delphi](#). Odessa, VMV, 2007, 408 p. (in Russian)

## Theses

- [2] A. Mironchenko. [Input-to-state stability of infinite-dimensional control systems](#). PhD thesis, Department of Mathematics and Computer Science, University of Bremen, 2012.
- [1] A. Mironchenko. Mathematical modeling of agrocoenosis. Master's thesis, Department of Applied Mathematics, Mechnikov Odessa National University, 2008.

## TALKS

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- [39] (to be presented) Lyapunov approach for input-to-state stability of boundary control systems. *GIPSA-lab*, Grenoble, France, March 2019.
- [38] (to be presented) Lyapunov functions for boundary control systems. *13th Elgersburg Workshop*, Elgersburg, February 2019.
- [37] (Topical Talk, to be presented) Foundations and applications of infinite-dimensional input-to-state stability theory. *90th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM)*, Vienna, February 2019.
- [36] [Criteria for Practical Input-to-State Stability](#). *Workshop 'Stability and Control of Infinite-Dimensional Systems' (SCINDIS-2018)*, Würzburg, Germany, 2018.
- [35] [Integral uniform global asymptotic stability and non-coercive Lyapunov functions](#). *23rd International Symposium on Mathematical Theory of Networks and Systems (MTNS 2018)*, Hong-Kong, 2018.
- [34] [Input-to-State Stability of Nonlinear Parabolic PDEs with Dirichlet Boundary Disturbances](#). *23rd International Symposium on Mathematical Theory of Networks and Systems (MTNS 2018)*, Hong-Kong, 2018.
- [33] [Characterizations of input-to-state practical stability for finite-dimensional and infinite-dimensional systems](#). *23rd International Symposium on Mathematical Theory of Networks and Systems (MTNS 2018)*, Hong-Kong, 2018.
- [32] [Non-coercive Lyapunov functions for stability analysis of nonlinear infinite-dimensional systems](#). *Workshop 'Control theory of infinite-dimensional systems'*, FernUniversität in Hagen, Hagen, Germany, 2018.
- [31] [Characterizations of input-to-state stability for wide classes of control systems](#). *Workshop 'Control of Distributed Parameter Systems' (CDPS 2017)*, University of Bordeaux, Bordeaux, France, 2017.
- [30] [Towards unified input-to-state stability theory](#). Invited talk at *iCODE Seminar in Automatic Control* of Paris-Saclay University, *CentraleSupélec*, Gif-sur-Yvette, France, 2017.
- [29] [Input-to-state stability of infinite-dimensional systems: recent results and open problems](#). Research seminar (invited by Prof. Sergey Dashkovskiy), *University of Würzburg*, Würzburg, Germany, 2017.
- [28] [Input-to-state stability of distributed parameter systems: characterizations and counterexamples](#). *Workshop 'Stability and Control of Infinite-Dimensional Systems' (SCINDIS)*, Passau, Germany, 2016.
- [27] [Global Converse Lyapunov Theorems for Infinite-Dimensional Systems](#). *10th IFAC Symposium on Nonlinear Control Systems (NOLCOS 2016)*, Monterey, California, USA, 2016.
- [26] [Input-to-state stability of infinite-dimensional systems: characterizations and counterexamples](#). Research seminar (invited by Prof. Miroslav Krstic), *University of California, San Diego*, San-Diego, USA, 2016.
- [25] [Restatements of input-to-state stability in infinite dimensions: what goes wrong?](#) *22st International Symposium on Mathematical Theory of Networks and Systems (MTNS 2016)*, Minneapolis, Minnesota, USA, 2016.
- [24] [Construction of iISS Lyapunov functions for interconnected parabolic systems](#). *European Control Conference 2015*, Linz, Austria, 2015.
- [23] [On characterizations of Input-to-State Stability for Infinite-Dimensional Systems](#). *SIAM Conference on Control and Applications*, Paris, France, 2015.
- [22] [Constructions of Lyapunov functions for nonlinear parabolic control systems: an integral ISS approach](#). *Meeting of the GAMM-Fachauschuss "Dynamik und Regelungstheorie"*, Hamburg, Germany, 2015.
- [21] [Lyapunov methods for nonlinear integral input-to-state stable systems](#). *Wuppertal ISS-Day* (invited by Prof. Birgit Jacob), *University of Wuppertal*, Wuppertal, Germany, 2015.
- [20] [Stability and interconnections of ODEs and impulsive systems](#). Research seminar (invited by Prof. Sergey Polozhaenko), *Odesa National Polytechnic University*, Odesa, Ukraine, 2014.
- [19] [Stability and interconnections of ODEs and impulsive systems](#). Research seminar (invited by Prof. Olga Kichmarenko), *I.I. Mechnikov Odesa National University*, Odesa, Ukraine, 2014.
- [18] [Lyapunov small-gain theorems for not necessarily ISS hybrid systems](#). *21st International Symposium on Mathematical Theory of Networks and Systems (MTNS 2014)*, Groningen, Netherlands, 2014.

- [17] Lyapunov methods for robust stability of distributed parameter systems. Research seminar (invited by Dr. Gou Nishida), *Kyoto University*, Kyoto, Japan, 2014.
- [16] Robust stability of interconnections of infinite-dimensional systems: an ISS approach. Research seminar (invited by Prof. Hiroyuki Ichihara), *Meiji University*, Kawasaki city, Japan, 2014.
- [15] Lyapunov methodology for stability analysis of impulsive systems. *SICE Multi-Symposium on Control Systems 2014 (MSCS2014)*, Tokyo, Japan, 2014.
- [14] Stability and interconnections of hybrid and impulsive systems. Research seminar (invited by Prof. Hiroshi Ito), *Kyushu Institute of Technology*, Fukuoka, Japan, 2014.
- [13] Stabilization of switched linear differential-algebraic equations via time-dependent switching signals. *52th IEEE Conference on Decision and Control (CDC 2013)*, Florence, Italy, 2013.
- [12] Optimal allocation strategies of perennial plants. *52th IEEE Conference on Decision and Control (CDC 2013)*, Florence, Italy, 2013.
- [11] Input-to-state stability of distributed parameter systems. Research seminar (invited by Prof. Daniel Liberzon), *University of Illinois at Urbana-Champaign (UIUC)*, Urbana-Champaign, IL, USA, 2013.
- [10] Stabilization of DAEs via Time-Dependent Switching. Research seminar (invited by Prof. Lars Grüne), *University of Bayreuth*, Bayreuth, Germany, 2013.
- [9] Stabilization of linear switched DAEs via switching signal. *Workshop "Deskriptor 2013"*, Geseke, Germany, 2013.
- [8] Constructions of ISS-Lyapunov functions for interconnected impulsive systems. *51th IEEE Conference on Decision and Control (CDC 2012)*, Hawaii, USA, 2012.
- [7] Optimal allocation patterns and optimal seed mass of a perennial plant. Research seminar (invited by Prof. Jan Kozłowski), *Jagiellonian University*, Kraków, Poland, 2012.
- [6] Dwell-time conditions for robust stability of impulsive systems. *20th International Symposium on Mathematical Theory of Networks and Systems (MTNS 2012)*, Melbourne, Australia, 2012.
- [5] Dwell-time conditions for input-to-state stability of impulsive systems. *Meeting of the GAMM-Fachauschuss "Dynamik und Regelungstheorie"*, Stuttgart, Germany, 2012.
- [4] Input-to-state stability of infinite-dimensional systems (Blackboard talk). Research seminar (invited by Prof. Hans Triebel), *University of Jena*, Jena, Germany, 2012.
- [3] Local ISS of Reaction-Diffusion Systems. *18th IFAC World Congress (IFAC 2011)*, Milan, Italy, 2011.
- [2] Input-to-state stability of systems of partial differential equations. *Elgersburg Workshop 2011*, Elgersburg, Germany, 2011.
- [1] Mathematical Modeling of the Agrocoenosis. Research seminar (invited by Prof. Sergey Dashkovskiy), *University of Bremen*, Bremen, Germany, 2009.