

**РАДОВИ У МЕЂУНАРОДНИМ
ЧАСОПИСИМА**

38 (M21a=4, M21=19, M22=7, M23=8)

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РАДОВИ САОПШТЕНИ НА МЕЂУН. СКУПОВИМА	>50
РЕЗУЛТАТИ У РАЗВОЈУ ОБРАЗОВНО-НАУЧНЕ ОБЛАСТИ	<p>Током школских 2008/09., 2009/10. и 2010/11. година, др. Душан Стипановић је држао серију предавања за студенте докторских студија на Електротехничком факултету у Београду. Током последњих година био је ментор следећим кандидатима за мастер и докторске тезе:</p> <p>Gokhan Atinc (MS and PhD thesis, UIUC),</p> <p>Benoit Blanquet (MS thesis, UIUC),</p> <p>Timothy Brdar (MS thesis, UIUC),</p> <p>Chad Burns (MS and Ph.D. thesis, UIUC),</p> <p>Islam I. Hussein (Postdoctoral associate, Worcester Polytechnic Institute),</p> <p>Juan S. Mejía (MS and Ph.D. thesis, UIUC),</p> <p>Kunal Srivastava (PhD thesis, UIUC),</p> <p>Miloš S. Stanković (Ph.D. thesis, UIUC),</p> <p>Christopher Valicka (MS thesis, UIUC).</p> <p>Истраживачки и педагошки рад др Душана Стипановића је награђиван више пута: <i>Excellence in Teaching Award, General Engineering Department, University of Illinois, 2006.</i>; <i>Alexander von Humboldt Research Fellowship Award (duration 2008-2010), Bonn, Germany</i>; <i>Xerox Award for Faculty Research, College of Engineering, University of</i></p>

		<p><i>Illinois, 2009.; Arnold O. Beckman Research Award, University of Illinois, 2009.</i></p> <p>Добитник је престижне Фридрих фон Бесел-ове награде за математику (варијациони рачун и теорија управљања) за 2017. годину коју традиционално додељује Хумболт фондација.</p>
ЦИТИРАНОСТ НАУЧНИХ РЕЗУЛТАТА		<p>Према непотпуној евиденцији, радови др Душана Стипановића су цитирани више од 2800 пута, не бројећи аутоцитате и резултујући у Х индекс цитираности 28. Примера ради, рад под редним бројем [21] цитиран је 257 пута, под редним бројем [12] 185 пута, под редним бројем [26] 83 пута, под редним бројем [25] 61 пут, под редним бројем [20] 68 пута, под редним бројем [27] 67 пута, под редним бројем [63] 34 пута.</p>
МЕЂУНАРОДНА РЕПУТАЦИЈА	ГОСТ УРЕДНИК МЕЂУНАРОДНОГ ЧАСОПИСА	
	ПРЕДСЕДАВАО МЕЂУНАРОДНИМ НАУЧНИМ КОНФЕРЕНЦИЈАМА	
	ЧЛАНСТВО У УРЕЂИВАЧКИМ ОДБОРИМА МЕЂУНАРОДНИХ НАУЧНИХ ЧАСОПИСА	<p>Др Стипановић је члан различитих стручних удружења као што су <i>IEE, AIAA, ISCD</i>, а извесни период је обављао функцију едитора у уређивачком одбору часописа <i>IEEE Transactions on Circuits and Systems I and II</i>.</p>
	АУТОР МЕЂУНАРОДНЕ МОНОГРАФИЈЕ	<p>[1] I. Hwang, D. M. Stipanović, and C. J. Tomlin. Polytopic Approximations of Reachable Sets applied to Linear Dynamic Games and to a Class of Nonlinear Systems, in <i>Advances in Control, Communication Networks, and Transportation Systems: In Honor of Pravin Varaiya</i>, E.H. Abed (Editor), Systems and Control: Foundations and Applications Series, Birkhäuser, Boston, 2005, pp. 3-19.</p> <p>[2] D. D. Šiljak and D. M. Stipanović. Stability of Two-Variable Polynomials via Positivity, in <i>Positive Polynomials in Control</i>, Series: Lecture Notes in Control and Information Sciences, Vol. 312, D. Henrion and A. Garulli (Editors), 2005, pp. 165-177.</p> <p>[3] A. Jovičić and D. M. Stipanović. Parametric Adaptive Identification and Kalman Filter, <i>Wiley Encyclopedia of Biomedical Engineering</i>, April 2006, pp. 2682-2686.</p> <p>[4] A. Jovičić and D. M. Stipanović. State-Space Methods, <i>Wiley Encyclopedia of Biomedical Engineering</i>, April 2006, pp. 3329-3333.</p> <p>[5] K. Srivastava and D. M. Stipanović, Stochastic Optimal Control Formulations of Decision Problems, to appear in the <i>Wiley Encyclopedia of Operations Research and</i></p>

		<p><i>Management Science</i>.</p> <p>[6] M. S. Stanković, D. M. Stipanović, and S. S. Stanković. Consensus Based Multi-Agent Control Algorithms, in <i>Efficient Modeling and Control of Large-Scale Systems</i>, J. Mohammadpour and K. M. Grigoriadis (Editors), Springer, New York (2010), pp. 197-218.</p> <p>[7] D. M. Stipanovic, C. J. Tomlin, and C. Valicka. Collision Free Coverage Control with Multiple Agents, in <i>Robot Motion and Control 2011</i>, K. R. Kozłowski (Editor), Springer-Verlag, London (2012), pp. 259-272.</p> <p>[8] K. Srivastava, A. Nedic, and D. M. Stipanovic. Distributed Bregman-Distance Algorithms for Min-Max Optimization, in <i>Agent-Based Optimization</i>, I. Czarnowski, P. Jedrzejowicz, and J. Kacprzyk (Editors), Springer, London-New York , 2013, pp. 143-174.</p> <p>[9] E. J. Rodríguez-Seda and D. M. Stipanovic. Guaranteed Collision Avoidance with Discrete Observations and Limited Actuation, in <i>Advances in Intelligent Vehicles</i>, Y. Chen and L. Li (Editors), Academic Press, 2014, pp. 89-110.</p> <p>[10] D. Panagou, D. M. Stipanovic, and P. G. Voulgaris. Distributed Control of Robot Swarms: A Lyapunov-Like Barrier Functions Approach, <i>Handbook of Research on Design, Control, and Modeling of Swarm Robotics</i>, Y. Tan (Editor), IGI Global, 2016, pp. 115-144.</p>
НАПОМЕНА		<p>Предавања по позиву:</p> <ul style="list-style-type: none"> • <i>Control and Coordination of Multiple Agent Systems</i>, 5th Semiannual Workshop on Control Systems, Plenary Talk, Faculty of Engineering and Computer Science, Concordia University, Montreal, Canada, October 2011. • <i>Control and Coordination of Multi-Agent Systems</i>, College of Engineering, University of Texas at Dallas, October 2011. • <i>Accomplishing Multiple Objectives with Multiple Agents</i>, Plenary Talk, 2011 IEEE RoMoCo Conference, June 2011, Bukowy Dworek, Wasowo, Poland. • <i>Controlling Dynamic Systems with Multiple Objectives</i>, Dynamic Systems and Control Group Seminar, UC San Diego, March 2011. • <i>An Approach to Control Dynamic Systems with Multiple Objectives</i>, Department of Aerospace and Mechanical Engineering, University of Southern California, March 2011. • <i>Safe Control and Coordination of Multi-Vehicle Systems</i>, Boeing-ITI seminar series,

	<p>Boeing Company, Seattle, October 2009.</p> <ul style="list-style-type: none"> • <i>Control of Complex Dynamic Systems with Multiple Objectives</i>, Department of Mechanical Engineering, Columbia University, New York, October 2009. • <i>Safe Control of Multiple Vehicle Systems</i>, Institute of Control and Systems Engineering, Poznan University of Technology, Poznan, Poland, August 2009. • <i>Guaranteed Strategies for the Nonlinear Multi-Player Pursuit-Evasion Games and Differential Inequalities</i>, Department of Mathematics, University of Rome “Sapienza,” Rome, Italy, July 2009. • <i>Sufficient Conditions for Multi-Player Dynamic Games and Beyond</i>, Graduate School of Management, St. Petersburg State University, St. Petersburg, Russia, July 2009. • <i>Control of Complex Dynamic Systems with Multiple Objectives</i>, Institute for Problems in Mechanics, Russian Academy of Sciences, Moscow, Russia, January 2009. • <i>Dealing with Complexity</i>, Center for Mathematics and Statistics and the Department of Applied Computer Science, Technical University, Novi Sad, Serbia, December 2008. • <i>Row Stochastic Matrices and Consistent Parameter and State Estimation</i>, Hamilton Institute, National University of Ireland, Maynooth, Ireland, August 2008. • <i>Control of Multi-Agent Systems: Theory and Applications</i>, Institute for Problems in Mechanics, Russian Academy of Sciences, Moscow, Russia, October 2007. • <i>Control of Multi-Vehicle Systems</i>, University of Belgrade, Belgrade, Serbia, June 2007. • <i>Safety, Strategies and Applications for Multi-Agent Systems</i>, University of Bologna, Bologna, Italy, June 2007. • <i>Safe and Reliable Control of Multi-Vehicle Systems</i>, Topics in Systems Seminar Series, UIUC, April 2007. • <i>Control and Optimization of Multi-Agent Systems</i>, the Boeing Company, Seattle, February 2007. • <i>Some New Results in Reliable Control of Multi-Agent Systems</i>, Bavarian Julius Maximilian University in Wuerzburg, Germany, December 2006. • <i>Control and Optimization of Multi-Agent Systems</i>, AAE Colloquium, School of Aeronautics and Astronautics, Purdue University, April 2006.
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	<ul style="list-style-type: none"> • <i>Control and Optimization of Multiple Unmanned Vehicle Systems</i>, Bavarian Julius Maximilian University in Wuerzburg, Germany, December 2005. • <i>Control and Optimization of Multiple Unmanned Vehicle Systems</i>, the Boeing Company, Seattle, December 2005 • <i>Decentralized Control and Optimization of Multi Agent Systems</i>, Department of Aerospace and Ocean Engineering, Virginia Polytechnic Institute, Blacksburg, November 2005. • <i>Control and Optimization of Complex Systems</i>, Nonlinear Dynamics and Complex Systems Seminar, Department of Physics, University of Illinois at Urbana-Champaign, March 2005. • <i>Multi-Player Games: An Overview, General Strategies, and Avoidance Conditions</i>, Bavarian Julius Maximilian University in Wuerzburg and University of Applied Sciences FH Ravensburg-Weingarten, Germany, December 2004. • <i>Decentralized Optimization using Block Iterative Schemes: Convergence via M-Matrices</i>, Hamilton Institute, National University of Ireland, Maynooth, Ireland, July 2004. • <i>Decentralized Control of Large-scale Dynamic Systems: Theory and Applications</i>, University of Applied Sciences FH Ravensburg-Weingarten, Germany, December 2003. • <i>Decentralized Control and Optimization of Large-scale Dynamic Systems</i>, Bavarian Julius Maximilian University, Wuerzburg, Germany, December 2003. • <i>Decentralized Overlapping Control and Optimization of Complex Systems</i>, University of Hawaii at Manoa, Hawaii, November 2003. • <i>Decentralized Overlapping Control and Optimization of Complex Systems</i>, Hamilton Institute, National University of Ireland, Maynooth, Ireland, September 2003. • <i>Overlapping Decentralized Approach to Control and Optimization of Complex Systems</i>, Center for Control Engineering and Computation Seminar, UC Santa Barbara, January 2003. • <i>Overlapping Decentralized Approach in Control, Optimization, and Computation of Reachable Sets</i>, Dynamic Systems and Control Group Seminar, UC San Diego, January 2003. • <i>Robust Decentralized Control of Formation Flight</i>, Fourth International Conference
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	<p>on Dynamical Systems and Differential Equations, University of North Carolina at Wilmington, May 24 -27, 2002.</p> <ul style="list-style-type: none"> • <i>Overlapping Decentralized Optimization Methods for Multiple Vehicle Coordination and Control</i>, Robert Bosch Corporation, June 2002. • <i>Connective Stability of Discontinuous Interconnected Systems via Parameter-Dependent Liapunov Functions</i>, Third World Congress of Nonlinear Analysts, Catania, Italy, 2000. • <i>Connective Stability of Discontinuous Interconnected Systems via Parameter-Dependent Liapunov Functions</i>, Hybrid Systems Seminar, UC Berkeley, Spring 2000.
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