

НАСТАВНО-НАУЧНОМ ВЕЋУ ЕЛЕКТРОТЕХНИЧКОГ ФАКУЛТЕТА УНИВЕРЗИТЕТА У БЕОГРАДУ

Изборно веће Електротехничког факултета Универзитета у Београду на својој 743-ћој седници од 07.02.2012. године нас је именovalo за чланове Комисије за избор др Душана Стипановића у звање гостујућег професора. Проучили смо материјал који нам је био на располагању и част нам је да Изборном већу поднесемо следећи

ИЗВЕШТАЈ

Биографски подаци

Др Душан Стипановић је дипломирао 1994. године на Електротехничком факултету Универзитета у Београду, док је магистарске и докторске студије завршио 1996., односно 2000. године на Универзитету Санта Клара, Калифорнија, Сједињене Америчке Државе, под руководством професора Драгослава Шилка. Период од 1998. до 2001. године је провео у звањима предавача (*Adjunct Lecturer*) и истраживача (*Research Associate*) на одсеку за Електротехнику (*Department of Electrical Engineering*) Универзитета Санта Клара. Период од 2001. до 2004. године послове истраживача је обављао у Лабораторијама за Хибридне системе и Аеронаутику, при Универзитету Станфорд, а под руководством професорке Клер Томлин. 2004. године се придружује Универзитету у Илиноису (*University of Illinois at Urbana-Champaign*) као доцент (*Assistant Professor*) у Лабораторији за управљање и одлучивање (*Control and Decision Group of the Coordinated Science Laboratory*). У међувремену је обављао и гостујуће функције (предавачке и консултатнтске) на Универзитету Беркли (Одсек за роботiku и телемеханику), као и на Универзитету у Вирцбургу, Савезна Република Немачка. Тренутно је на позицији ванредног професора (*Associate and Research Associate Professor*) на Универзитету Илиноис при Одсеку за индустријско и системско инжењерство (*Department of Industrial and Enterprise Systems Engineering*). Његова интересовања у истраживања укључују децентрализовано управљање и естимацију, теорију стабилности, оптимално управљање и теорију игара. Др Стипановић је члан различитих стручних удружења као што су *IEE*, *AIAA*, *ISCD*, а извесни период је обављао функцију едитора у уређивачко одмору часописа *IEEE Transactions on Circuits and Systems I and II*. Истраживачки и педагошки рад др Душана Стипановића је награђиван више пута: *Excellence in Teaching Award, General Engineering Department, University of Illinois, 2006.*; *Alexander von Humboldt Research Fellowship Award (duration 2008-2010), Bonn, Germany*; *Xerox Award for Faculty Research, College of Engineering, University of Illinois, 2009.*; *Arnold O. Beckman Research Award, University of Illinois, 2009.*

Научно-стручни радови

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- *Control and Coordination of Multi-Agent Systems*, College of Engineering, University of Texas at Dallas, October 2011.
- *Accomplishing Multiple Objectives with Multiple Agents*, Plenary Talk, 2011 IEEE RoMoCo Conference, June 2011, Bukowy Dworek, Wasowo, Poland.
- *Controlling Dynamic Systems with Multiple Objectives*, Dynamic Systems and Control Group Seminar, UC San Diego, March 2011.
- *An Approach to Control Dynamic Systems with Multiple Objectives*, Department of Aerospace and Mechanical Engineering, University of Southern California, March 2011.
- *Safe Control and Coordination of Multi-Vehicle Systems*, Boeing-ITI seminar series, Boeing Company, Seattle, October 2009.
- *Control of Complex Dynamic Systems with Multiple Objectives*, Department of Mechanical Engineering, Columbia University, New York, October 2009.
- *Safe Control of Multiple Vehicle Systems*, Institute of Control and Systems Engineering, Poznan University of Technology, Poznan, Poland, August 2009.

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- *Sufficient Conditions for Multi-Player Dynamic Games and Beyond*, Graduate School of Management, St. Petersburg State University, St. Petersburg, Russia, July 2009.
- *Control of Complex Dynamic Systems with Multiple Objectives*, Institute for Problems in Mechanics, Russian Academy of Sciences, Moscow, Russia, January 2009.
- *Dealing with Complexity*, Center for Mathematics and Statistics and the Department of Applied Computer Science, Technical University, Novi Sad, Serbia, December 2008.
- *Row Stochastic Matrices and Consistent Parameter and State Estimation*, Hamilton Institute, National University of Ireland, Maynooth, Ireland, August 2008.
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- *Control of Multi-Vehicle Systems*, University of Belgrade, Belgrade, Serbia, June 2007.
- *Safety, Strategies and Applications for Multi-Agent Systems*, University of Bologna, Bologna, Italy, June 2007.
- *Safe and Reliable Control of Multi-Vehicle Systems*, Topics in Systems Seminar Series, UIUC, April 2007.
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- *Decentralized Optimization using Block Iterative Schemes: Convergence via M-Matrices*, Hamilton Institute, National University of Ireland, Maynooth, Ireland, July 2004.
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- *Overlapping Decentralized Optimization Methods for Multiple Vehicle Coordination and Control*, Robert Bosch Corporation, June 2002.
- *Connective Stability of Discontinuous Interconnected Systems via Parameter-Dependent Liapunov Functions*, Third World Congress of Nonlinear Analysts, Catania, Italy, 2000.
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Професионална сарадња и стручно ангажовање

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Одзив на радове

Према непотпуној евиденцији, радови др Душана Стипановића су цитирани више стотина пута, не бројећи аутоцитате. Примера ради, рад под редним бројем [17] цитиран је 171 пут, под редним бројем [50] 147 пута, под редним бројем [22] 83 пута, под редним бројем [21] 61 пут, под редним бројем [16] 68 пута, под редним бројем [23] 67 пута, под редним бројем [59] 34 пута.

Мишљење Комисије

Из изложеног се види да кандидат, др Душан Стипановић, ванредни професор на Универзитету Илиноис, Сједињене Америчке Државе, испуњава све услове Закона о високом образовању (члан 66) и Статута Електротехничког факултета, Универзитета у Београду, (чланови 17 и 102), за избор у звање гостујући професор.

Др Душан Стипановић има докторат наука, 6 поглавља у међународним монографијама, 33 рада објављена у међународним часописима, 59 рада на међународним научним скуповима и велики број предавања по позиву. У последњих неколико година, др Душан Стипановић је успоставио значајну сарадњу са Катедром за сигнале и системе Електротехничког факултета, држећи кратке курсеве студентима докторских студија.

Полазећи од анализе целокупне наставне и научноистраживачке активности др Душана Стипановића, обима и квалитета његовог рада, а посебно научног рада из области дефицитарних на Електротехничком факултету, те његовог ангажовања да их пренесе студентима и колегама у Србији, предлажемо Изборном већу Електротехничког факултета, Универзитета у Београду, да га изабере у звање гостујући професор.

у Београду,
дана 13.02.2012.

Чланови Комисије:

др Жељко Ђуровић, ред. проф.

др Срђан Станковић, проф. емеритус

др Бранко Ковачевић, ред. проф.