

MILENKO R. MASIC

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Objective	Full-time research & development position
Education	<p>Ph.D. Aerospace Engineering April 2004-expected UCSD La Jolla, CA USA Structural Systems & Control Lab GPA 3.90/4</p> <p>M.S. Aerospace Engineering 2001 UCSD La Jolla, CA USA Structural Systems & Control Lab GPA 3.90/4</p> <p>M.S. Mechanical Engineering 1999 University of Belgrade Belgrade, Ser & Mon Course and experimental work completed. Thesis finished but not defended due to war and transfer to UCSD. GPA 9.80/10</p> <p>B.S. Mechanical Engineering 1995 University of Belgrade Belgrade, Ser & Mon Automatic Control Group GPA 9.44/10</p>
Academic & Professional Experience	<p>1999 – present research assistant UCSD Mechanical and Aerospace Department Structural Systems & Control Lab Static and dynamic, design, optimization and control of large scale tensegrity structures</p> <p>2002 teaching assistant UCSD Mechanical and Aerospace Department C/C++ language</p> <p>1996 – 1999 assistant University of Belgrade Mechanical Engineering Dept. Mechanical Design Group Permanent faculty position Lecturing, examining and grading</p> <p>1995 – 1996 researcher University of Belgrade Mechanical Engineering Dept. Molecular Machines Center Appointed as outstanding researcher by Ministry of Science and Education of Republic of Serbia. Control of C₆₀ production reactor.</p>
Selected Publications	<p>M. Masic, R. E. Skelton, <i>Open-Loop Shape Control of Stable Unit Tensegrity Structures</i>, Proceedings of 3rd World Congress of Structural Control, Como Italy, 2002</p> <p>B. de Jager, M. Masic, R.E. Skelton, <i>Optimal Topology and Geometry for Controllable Tensegrity Systems</i>, 15th IFAC World Congress, Barcelona, Spain, 2002</p> <p>M. Masic, R.E. Skelton, P.E. Gill, <i>Algebraic Tensegrity Design</i>, submitted to IJSS</p> <p>M. Masic, R.E. Skelton, P.E. Gill, <i>Optimization of Tensegrity Structures</i>, to be submitted to International Journal of Solids and Structures</p> <p>M. Masic, R. E. Skelton, <i>Equilibrium Analysis and Open-Loop Shape Control of Modular Tensegrity Structures</i>, submitted to AIAA Journal of Guidance, Control and Dynamics</p>
Awards Received	<p>1990 Ranked best student of Mech. Eng. Dept., University of Belgrade</p> <p>1990-1995 University of Belgrade fellowship for best ranked Mech. Eng. student</p> <p>1995-1996 Merit-based fellowship from Ministry of Science of Republic of Serbia</p> <p>1998 German DAAD fellowship</p> <p>1999-present Graduate research assistantship</p>
Skills	Matlab, SNOPT, ProE, MSC Nastran, ANSYS, Visual Designer, C, FORTRAN
Languages	Fluent in English, Serbian, conversational in German and French
References	Available upon request

