JAN MICHAEL STUPL
stupl@stanford.edu

Center for International Security and Cooperation (CISAC)
Stanford University
616 Serra Street
Stanford, CA 94305
+1 650 724-5692 (office) +1 650 723-0089 (fax)

EDUCATION

Ph.D. in physics, earned at the Institute for Experimental Physics of Hamburg University, Germany in November 2008

Master's degree in physics (German degree: Diplom-Physiker) from University of Jena, Germany in November 2004

Visiting student at the University of Warwick, UK from September 2001 to June 2002 (EU Socrates/Erasmus scholarship)

PROFESSIONAL EXPERIENCE

Since January 2009 Postdoctoral Fellow at CISAC / Stanford University

2005 – 2008 Research Fellow at the *Interdisciplinary Research Group on Arms Control and Disarmament and Risk Technologies* at the *Institute for Peace Research and Security Policy (IFSH)* at the University of Hamburg, Germany

2005 – 2008 member of the research staff of the *Institute for Laser-and System Technologies (iLAS)* at Hamburg University of Technology

Internship at the *United Nations Headquarter (New York City),* summer 2003

TEACHING

Graduate level course, *Iran and the Future of Non-Proliferation and Arms Control*, with G. Neuneck and M. Kalinowski, Institute for Peace Research and Security Studies, University of Hamburg, winter 2006.

Graduate level course, *Laser Technology Laboratory Exercise* (with C. Emmelmann et al.), Institute for Laser and System Technologies, Hamburg University of Technology, winter 2006.

PUBLICATIONS

Untersuchung der Wechselwirkung von Laserstrahlung mit Strukturelementen von Raumfahrtkörpern; dissertation, published at Hamburg University, Germany, 2008. available online at http://www.sub.uni-hamburg.de/opus/volltexte/2008/3951/

Determination of critical thermal loads for thin-walled cylindrical shells during laser beam processing (with C. Emmelmann); in: VOLLERTSEN, F. et al. (ed.): Proceedings of the Fourth International WLT-Conference on „Lasers in Manufacturing", LIM 2007, June 18th -22nd, German Scientific Laser Society, AT-Verlag, Munich, 2007, p.55-61.

High Energy Lasers: A Sensible Choice for Future Weapons Systems? (with G. Neuneck); in: Security Challenges 1/2005, p.135-153.

Laser als Waffensysteme? (with G. Neuneck); IFAR Working Paper Nr. 7, IFSH, Hamburg, October 2005.

Varianten der Auskoppelmodulation von Hochleistungs-CO2-Lasern (with G. Staupendahl, K. Schindler, H.-D. Kurland); Stand und Perspektiven der Lasermaterialbearbeitung, DVS-Berichte Vol. 230, DVS, Düsseldorf, Germany, 2004, p. 44-55.

SELECTED TALKS

The Airborne Laser – Assessment of a Directed Energy Weapon; Science, Technology and Security Seminar, CISAC, Stanford University, Stanford, CA., 13.02.2008.

Assessing the Airborne Laser's Short Fall Problem; Program on Science and Global Security 2008 Lunch Seminar Series, Princeton University, Princeton, NJ.

Boost-phase Missile Defense: the Airborne Laser ; Conference on Security and Cooperation in South Asia: A global perspective"; German Federal College for Security Studies, Berlin, Germany, 10.10. 2007.

Assessment of a High Energy Laser Missile Defense Project (with G. Neuneck, H. Spitzer, C. Emmelmann); 71. Annual Meeting of the German Physical Society, Regensburg, Germany, 29.03.2007.

Assessment of High Energy Laser weapons (with G. Neuneck, C. Emmelmann, H. Spitzer); 18th International Summer Symposium on Science and World Affairs, UNESCO/IAEA Abdus Salam International Centre for Theoretical Physics, Triest, Italy, 10.-19.8.2006.

Experimentelle Untersuchungen zu Hochenergielasern (with G. Neuneck, H. Spitzer); 70. Annual Meeting of the German Physical Society, Working Group Physics and Disarmament, Munich, Germany 20.03.-24.03.2006.

Possible military Applications of High Energy Lasers; 17th International Summer Symposium on Science and World Affairs, Princeton University, NJ, 23.-31.07 2005.