BLAZEK, Vladimír
Professor for Measurement Techniques
Institute of High Frequency Technology
RWTH Aachen University
Melatener Str. 25
D-52056 Aachen

E-mail: medopt@ihf.rwth-aachen.de
http://www.ihf.rwth-aachen.de

CURRICULUM VITAE

Born:	November 11, 1945, Brno, Czech Republic, since 1983 German citizen ship
Marital Status:	Married, 2 children
Titles & Diplomas:	Ing: 1969, FEL VUT Brno, Communication Techiques and BME Dr.-Ing.: 1979, RWTH Aachen Habilitation: 1993, FEL CTU Prague Prof.: 1995, FEL CTU Prague Dr.h.c.: 2002, CTU Prague
Research, teaching and working areas:	Optical communication technology, optoelectronics in medicine; Biomedical sensors, tissue optics, photon-biotissue interaction; Modeling and simulation of human hemodynamics: Optical imaging, 2D/3D measuring concepts & functional signal analysis; European integration & co-operation on the area of university education; Rectors delegate for university cooperation between Aachen and Prague
Research projects in the last 5 years:	DFG (Deutsche Forschungsgesellschaft), Bl 200/9-1: „CCD- Photoplethysmographie-Imaging"; DGP (Deutsche Gesellschaft für Phlebologie): "Funktionelles Mapping phlebologischer Krankheisbilder"; NRW (Innovationsfond Life Sciences): „Orts-, zeit- und frequenzaufgeLöste Analyse der selbstorganisierten Dynamik der Hautdurchblutung mit Hilfe der optoelektronischen, kamerabasierten PPGI-Technik“; NRW (Innovationsfond Life Sciences): „Funktionelles Mapping der arteriellen Perfusion im Bereich der Hauttumore“; DLR (Microgravity-Experiment): „Rapid fluid shifts along the body axis in humans during parabolic flights“.
Selected publication activities in the last years:	Blazek, V., Ting Wu, Hölscher, D.: Near-Infrared CCD Imaging – Possibilities for Noninvasive and Contactless 2D Mapping of Dermal Venous Hemodynamics. SPIE Proc. Vol. 3923 (2000), 2-9 Blazek, V., Schultz-Ehrenburg, U., Stvrtinova, V. (Eds.): CNVD: Computer-aided Noninmvasive Vascular Diagnostics. Volume 1. Verlag Mainz, Aachen, 2001, ISBN 3-89653-881-0 Hülsbusch, M., Blazek, V.: Contactless mapping of rhythmical phenomena in tissue perfusion using PPGI. SPIE, Vol. 4683 (2002), 110-117, ISBN 0-81944-428-6 Blazek, V.: Funktionelle Beinvenendiagnostik mit der quantitativen, digitalen Photoplethysmographie. Viavital Verlag Essen (2005), 49-58 Blazek, V., Schultz-Ehrenburg (Eds.): CNVD: Computer-aided Noninvasive Vascular Diagnostics. Volume 3. Verlag Mainz, Aachen, 2005, ISBN 3-89653-942-6

Aachen, 04.03. 2006 Prof. Dr.-Ing. Vladimír Blazek, Dr.h.c.