



CURRICULUM VITAE

Dr. Jörg Nikolaus Josef Vandenhirtz

Born: 28.06.1967 in Aachen Germany
Nationality: German
Institution: LemnaTec Germany

October 1987 – March 1991	Bachelor studies Physics RWTH University of Aachen, Germany
April 1991	Bachelor Physics RWTH University of Aachen
May 1991 - May 1994	Master Studies Physics RWTH University of Aachen, Germany
June 1994 - May 1996	Diploma Thesis „Design Studies of Drift Chambers for Myon Detection at the LHC” (CMS Experiment, CERN, Geneva, CH) III. Institute of Physics RWTH-Aachen, Prof. Dr. Siegfried Bethke
June 1996	Diplom Physiker RWTH-Aachen
September 1996	Foundation (CEO) of van&sun sportmarketing
April 1997 - October 2001	PhD Thesis „An IR Laser Alignment System for the AMS Experiment“ (NASA, Kennedy Space Center, Florida, USA) I. Institute of Physics RWTH-Aachen, Prof. Dr. Klaus Lübelmeyer
May 1998	Foundation (Partner) of LemnaTec
since June 1998	CMO at LemnaTec
October 2001	PhD in Physics RWTH-Aachen, Germany
January 2002	Foundation (CEO) of ViLab
January 2003	Fusion ViLab and LemnaTec

Scientific Publications and Talks:

- 2010 Talk: PAG 2010 San Diego, CA “Future Developments for nondestructive 3D plant and root imaging”
<http://www.intl-pag.org/18/18-plant-pheno.html>
- 2009 Poster: SEST 2009 Murcia, Spain “Automated Plant Stress Management and Image-Based High Throughput Phenotyping of Complete Plants and Fruits”
<http://www.sest2009.com/content/view/37/60/1/4/>
- 2009 Talk: APS 2009 Portland, OR “LemnaTec automatic 3D phenotyping platform”
<http://meeting.apsnet.org/2009/program/pdfs/ProgramBook.pdf> page 25
- 2008 Talk: NCERA-101 Cocoa Beach, FL “Get an Impression of your plant”
http://www.lssc.nasa.gov/als/ncera/Session%20D/LemnaTec_NCERA_2008.pdf
- 2007 Poster: 49th Maize Genetics Conference Pheasant Run, St. Charles, IL
<http://shrimp1.gdcb.iastate.edu/mm2007/Program.pdf> page 124
- 2006 Poster: PAG 2006 San Diego, CA “Image-Based High Throughput Phenotyping Of Complete Plants”
http://www.intl-pag.org/14/abstracts/PAG14_P890.html
- 2006 Poster: ASPB 2006 Boston, MA “Automatic and 3-dimensional phenotyping of complete plants”
<http://abstracts.aspb.org/pb2006/public/P46/P46055.html>
- 2005 Publication:LemnaTec “Influence of Alignment on Plant Biovolume”
<http://new.lemnatec.de/media/pdfs/biovolume.pdf>
- 2004 Talk: APS 2004 Anaheim, CA “Fast, automatic and non destructive quality- and phenotype-assessment of complete higher plants and agricultural products with the LemnaTec Scanalyzer”
<http://www.apsnet.org/meetings/2004/pdfs/technicalprogram.pdf> page 62
- 2002 Publication: “Sensitivity of different growth inhibition tests - just a question of mathematical calculation? Theory and practice for algae and duckweed”
<http://www.nextbio.com/b/search/author/J%C3%B6rg%20Vandenhirtz>
- 2001 Publication: ICRC 2001 “Space flight experience with the AMS infrared tracker alignment system”
<http://adsabs.harvard.edu/full/2001ICRC....6.2197V>
- 2001 PhD Thesis: RWTH-Aachen “An IR Laser Alignment System for the AMS Experiment“
<http://darwin.bth.rwth-aachen.de/opus/volltexte/2002/398/>
- 2000 Talk: DPG 2000 Dresden “AMS-Silizium-Tracker-Positions-Kontrolle während des STS-91-Raumfluges II (Untersuchungen mit hochenergetischen Protonen)“
http://old.dpg-tagungen.de/archive/2000/t_603.html#7
- 1999 Talk: DPG 1999 Heidelberg “Ein IR-Laser Positions-Kontroll-System für das AMS-Experiment“
http://old.dpg-tagungen.de/archive/1999/t_408.html#2
- 1998 Talk: DPG 1998 Freiburg “ IR-Laser-Alignment bei AMS“
http://old.dpg-tagungen.de/archive/1998/t_610.html#2
- 1996 Thesis: RWTH-Aachen, Germany “Design Studies of Drift Chambers for Myon Detection at the LHC”
<http://www.worldcat.org/oclc/75839517>