

## Erich Rohwer

### Conferences

#### International

1. 22006 PRAHA 2006. The 19th International Conference on High Resolution Molecular Spectroscopy. Prague, Czech Republic, August 29-September 2, 2006 "Investigation of four carbon monoxide isotopomers in natural abundance by laser induced fluorescence in a supersonic jet." Du Plessis A.D, Rohwer E.G. Steenkamp C.M.
2. 2006 Tagung der Deutschen Physikalischen Gesellschaft." Augsburg Germany March 2006 "Dotierungsabhängige Ionisierung von Defektzuständen in p+-Si/SiO<sub>2</sub>-Grenzflächen analysiert mittels feldinduzierter Erzeugung der optischen zweiten Harmonischen." T. Scheidt, H. Stafast, E. G. Rohwer, H. M. von Bergmann.
3. 2005 International conference of the African materials Research Society. Marrakech, Marokko December 2005. Poster "Optical second harmonic generation as a probe for semiconductor thin films." PH Neethling, EG Rohwer, HM von Bergmann
4. 22005 International symposium on Optics and Photonics by the International Society of Optical Engineers (SPIE) in San Diego July 2005 "Comparison of infrared laser beam shaping by diffractive and refractive methods" Andrew Forbes, Anton du Plessis, Erich G. Rohwer.
5. 2004 Conference on photo-responsive materials, Kariega Game Reserve, Eastern Cape, South Africa, February 2004 "Optical second harmonic imaging of zinc oxide thin films grown by metal organic chemical vapour deposition (MOCVD). " T Scheidt, E G Rohwer and H M von Bergmann.
6. 2003 DRIP X 2003, International Conference on Defects: Recognition, Imaging and Physics of Semiconductors. Batz Sur Mer, France, September 2003 "Optical second harmonic imaging: a versatile tool to investigate semiconductor surfaces and interfaces, " T. Scheidt, E.G. Rohwer, H.M von Bergmann, H. Stafast.
7. 2003 International Conference on Lasers and applications, Windhoek, Namibia, August 2003."Optical second harmonic generation (SHG) as a probe for internal electric fields at the Si/SiO<sub>2</sub> interface" T. Scheidt, E.G. Rohwer, H.M. von Bergmann
8. 2003 International Conference on Lasers and applications, Windhoek, Namibia, August 2003."Investigating possible optical limiters. " PH Neethling, EG Rohwer, PE Walters.
9. 2003 International Conference on Lasers and applications, Windhoek, Namibia, August 2003. "Experimental parameters in vacuum ultraviolet laser spectroscopy" A du Plessis, CM Steinmann, EG Rohwer
10. 2003 International Conference on Lasers and applications, Windhoek, Namibia, August 2003. "High-resolution vacuum ultraviolet laser spectroscopy of molecules in a free supersonic jet: in search of rare CO isotopomers and CO-Ar van der Waals molecules" A du Plessis, CM Steinmann, EG Rohwer.
11. 2002 Analitika 2002. International symposium on analytical science. Stellenbosch, "Surface

- Second Harmonic Generation (SSHG) using femtosecond laser." T. Scheidt, E.G. Rohwer, H.M. von Bergmann, H Stafast.
12. 2002 Analitika 2002. International symposium on analytical science. Stellenbosch, "A tunable pulsed infrared Raman laser." A. du Plessis, E.G. Rohwer, C.M. Steinmann, H.M. von Bergmann.
  13. 2002 Analitika 2002. International symposium on analytical science. Stellenbosch, "A tunable pulsed infrared Raman laser." A. du Plessis, E.G. Rohwer, C.M. Steinmann, H.M. von Bergmann.
  14. 2002 Analitika 2002. International symposium on analytical science. Stellenbosch, "A tunable VUV laser source for state selective spectroscopy." E.G. Rohwer, C.M. Steinmann, C.R. Vidal.
  15. 2001 32nd. Colloquium Spectroscopicum Internationale, Pretoria, 2001. "A Raman laser as spectroscopic tool.", A. Du Plessis, C.M. Steinmann, E.G. Rohwer.
  16. 2001 32nd. Colloquium Spectroscopicum Internationale, Pretoria, 2001. "A tunable coherent source for laser spectroscopy in the vacuum ultraviolet.", C.M. Steinmann, E.G. Rohwer, C.R. Vidal.
  17. 2001 32nd. Colloquium Spectroscopicum Internationale, Pretoria, 2001. "VUV laser spectroscopy of CO.", E.G. Rohwer, A. Mellinger, C.R. Vidal.
  18. 2000 The XIII. International Symposium on Gas Flow and Chemical Lasers and High Power Laser Conference. Florence. "Modelling injection seeding of a pulsed high pressure CO<sub>2</sub> laser." E.G. Rohwer, L.R. Botha.