

## A4.8 (J. Pfeifle / C. Koos)

### Subproject A4.8 Invited Talks at International Conferences (2012-2013)

C. Koos, L. Alloatti, D. Korn, R. Palmer, T. Vallaitis, R. Bonk, D. Hillerkuss, J. Li, W. Bogaerts, P. Dumon, R. Baets, M.-L. Scimeca, I. Biaggio, A. Barklund, R. Dinu, J. Wieland, M. Fournier, J. Fedeli, W. Freude, and J. Leuthold, *Silicon Nanophotonics and Silicon-Organic Hybrid (SOH) Integration*, General Assembly and Scientific Symposium (URSI GASS), Istanbul (Turkey), August 13-20, 2011

C. Koos, J. Leuthold, W. Freude, L. Alloatti, D. Korn, N. Lindenmann, R. Palmer, J. Pfeifle, D. Hillerkuss, and R. Schmogrow, *Silicon Nanophotonics and Photonic Wire Bonding: Technologies for Terabit/s Interconnects*, 6th ITG Workshop on Photonic Integration, Laser Optics Berlin, March 20, 2012

C. Koos, J. Leuthold, W. Freude, L. Alloatti, D. Korn, R. Palmer, M. Lauermann, N. Lindenmann, S. Koeber, J. Pfeifle, P. C. Schindler, D. Hillerkuss, and R. Schmogrow, *Silicon-Organic Hybrid Integration and Photonic Wire Bonding: Technologies for Terabit/s Interconnects*, Joint Symposium on Opto- and Microelectronic Devices and Circuits (SODC), Hangzhou (China), September 24-27, 2012

C. Koos *Silicon Nanophotonics and Photonic Wire Bonding: Technologies for Terabit/s Interconnects*, Seminar talk at the University of Posts and Telecommunications, Nanjing (China), September 28, 2012

C. Koos *Silicon-organic hybrid integration, photonic wire bonding, and frequency combs: Technologies for Tbit/s interconnects*, Colloquium of the Inter-University Research School on Communication Technologies, Basic Research and Applications (COBRA), Eindhoven University (Netherlands), October 12, 2012

C. Koos, J. Leuthold, W. Freude, T. J. Kippenberg, J. Pfeifle, C. Weimann, T. Herr, K. Hartinger, R. Holzwarth, D. Hillerkuss, and R. Schmogrow, *Terabit/s data transmission using frequency combs*, LASE SPIE Photonics West, San Francisco (U.S.A.), February 2-7, 2013

W. Freude, L. Alloatti, A. Melikyan, R. Palmer, D. Korn, J. Pfeifle, C. Weimann, S. Koeber, A. Barklund, R. Dinu, J. Wieland, M. Fournier, J. Fedeli, J. Bolten, T. Wahlbrink, M. Waldow, S. Walheim, P. Leufke, S. Ulrich, J. Ye, P. Vincze, H. Hahn, H. Yu, W. Bogaerts, P. Dumont, B. Breiten, F. Diederich, M. T. Beels, I. Biaggio, K. Hartinger, V. Brasch, T. Herr, R. Holzwarth, R. Baets, T. Schimmel, T. J. Kippenberg, C. Koos, and J. Leuthold, *Nonlinear nanophotonic devices*, Seminar on Optical, Electronic and Quantum Systems, JILA at University of Colorado and National Institute of Standards and Technology (NIST), Boulder, USA, March 15, 2013

C. Koos, J. Leuthold, W. Freude, L. Alloatti, D. Korn, R. Palmer, M. Lauermann, J. Pfeifle, N. Lindenmann, S. Koeber, D. Hillerkuss, R. Schmogrow, *Silicon photonics, hybrid integration and photonic wire bonding – enablers for energy-efficient terabit/s interconnects*, 13th FIBER OPTICS EXPO Technical Conference, Tokyo (Japan), April 10-12, 2013

C. Koos, J. Leuthold, W. Freude, L. Alloatti, D. Korn, R. Palmer, M. Lauermann, J. Pfeifle, N. Lindenmann, S. Koeber, D. Hillerkuss, and R. Schmogrow, *Silicon-organic hybrid integration, photonic wire bonding, and frequency combs: Technologies for multi-Terabit/s interconnects*, International Nano-Optoelectronics Workshop (iNOW), Cargèse (France), August 19-30, 2013

W. Freude, L. Alloatti, D. Korn, M. Lauermann, A. Melikyan, R. Palmer, J. Pfeifle, P. C. Schindler, C. Weimann, R. Dinu, J. Bolten, T. Wahlbrink, M. Waldow, S. Walheim, P. Leufke, S. Ulrich, J. Ye, P. Vincze, H. Hahn, H. Yu, W. Bogaerts, V. Brasch, T. Herr, R. Holzwarth, K. Hartinger, C. Stamatidis, M. O'Keefe, L. Stampoulidis, L. Zimmermann, R. Baets, T. Schimmel, I. Tomkos, K. Petermann, T. J. Kippenberg, C. Koos, and J. Leuthold, *Nonlinear*

*Nano-Photonics*, Optical Society of America 97th Annual Meeting (OSA'13): Frontiers in Optics (FiO'13), Orlando (FL), USA, October 06-10, 2013

W. Freude, *Nanophotonics*, Workshop on Recent Advances in Photonics (WRAP'13), Indian Institute of Technology Delhi (IITD), New Delhi, India, December 17-18, 2013