

## Alexander Antonio Ozdemir

Ph.D. Student in Computer Science, admitted Autumn 2018

### Publications

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#### PUBLICATIONS

- **Silph: A Framework for Scalable and Accurate Generation of Hybrid MPC Protocols**  
Chen, E., Zhu, J., Ozdemir, A., Wahby, R. S., Brown, F., Zheng, W., IEEE  
IEEE COMPUTER SOC.2023: 848-863
- **R2E2: Low-Latency Path Tracing of Terabyte-Scale Scenes using Thousands of Cloud CPUs** *ACM TRANSACTIONS ON GRAPHICS*  
Fouladi, S., Shacklett, B., Poms, F., Arora, A., Ozdemir, A., Raghavan, D., Hanrahan, P., Fatahalian, K., Winstein, K.  
2022; 41 (4)
- **cvc5: A Versatile and Industrial-Strength SMT Solver**  
Barbosa, H., Barrett, C., Brain, M., Kremer, G., Lachnitt, H., Mann, M., Mohamed, A., Mohamed, M., Niemetz, A., Notzli, A., Ozdemir, A., Preiner, M., Reynolds, et al  
SPRINGER INTERNATIONAL PUBLISHING AG.2022: 415-442
- ***Proof*-*Stitch*: Proof Combination for Divide-and-Conquer SAT Solvers**  
Nair, A., Chattopadhyay, S., Wu, H., Ozdemir, A., Barrett, C., Griggio, A., Rungta, N.  
TU Wien Acad Press.2022: 84-88
- **CirC: Compiler infrastructure for proof systems, software verification, and more**  
Ozdemir, A., Brown, F., Wahby, R. S., IEEE COMP SOC  
IEEE COMPUTER SOC.2022: 2248-2266
- **Flexible Proof Production in an Industrial-Strength SMT Solver**  
Barbosa, H., Reynolds, A., Kremer, G., Lachnitt, H., Niemetz, A., Notzli, A., Ozdemir, A., Preiner, M., Viswanathan, A., Viteri, S., Zohar, Y., Tinelli, C., Barrett, et al  
SPRINGER INTERNATIONAL PUBLISHING AG.2022: 15-35
- **Clustering the Space of Maximum Parsimony Reconciliations in the Duplication-Transfer-Loss Model**  
Ozdemir, A., Sheely, M., Bork, D., Cheng, R., Hulett, R., Sung, J., Wang, J., Libeskind-Hadas, R., Figueiredo, D., MartinVide, C., Pratas, D., VegaRodriguez, M. A.  
SPRINGER-VERLAG BERLIN.2017: 127-39