**Hurwitz translation surfaces**  
Gabriela Weitze-Schmithuessen, Karlsruhe Institute of Technology

For finite translation surfaces of genus $g > 1$ there is a natural bound for the order of their group of translations depending on $g$ due to a Riemann-Hurwitz formula argument. In analogy with classical Hurwitz surfaces, we call surfaces which achieve this maximal bound Hurwitz translation surfaces. We study for which $g$ there exist Hurwitz translation surfaces of genus $g$. 