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William H. Kazez* (will@math.uga.edu), Department of Mathematics, University of Georgia, Athens, GA 30606, and **Rachel Roberts**. *Right-veering automorphisms of surfaces and overtwisted contact structures*. Preliminary report.

The Giroux correspondence between contact structures on 3-manifolds and equivalence classes of automorphisms of surfaces leads to a natural question: What do you have to know about a single automorphism to understand if the corresponding contact structure is tight? Starting with work of Gabai, we give new counterexamples to a conjecture of Honda-Kazez-Matic. (Received July 28, 2011)