Conformal welding is a way of gluing Riemann surfaces along their boundary; however, the existence and uniqueness of the resulting object is in general difficult to determine; this is the conformal welding problem.

We prove that a natural conformal welding problem associated to the continuum random tree (CRT) has a solution, giving rise to a ‘canonical’ random embedding of the CRT in the plane. Joint work with Steffen Rohde. (Received January 29, 2019)