

1023-30-718 **Peter Buser*** (Peter.Buser@epfl.ch), EPFL SB IGAT, Batiment BCH, CH-1015 Lausanne, Switzerland, and **Mika Seppälä**. *The 100th anniversary of the Uniformization theorem.*

The Uniformization theorem for Riemann surfaces has an extremely interesting history. In 1907, more than fifty years after Riemann's thesis, Koebe and Poincaré presented the first rigorous proofs, independently and almost at the same time. What caused this simultaneity? Who were the forerunners? And what was the impact of the quest for the theorem? Covering theory, for instance, grew out of it, and also Brouwer's fixed point theorem.

The lecture will highlight a few stages of the history, from its the beginning up to the current approaches of the Uniformization theorem via computational methods. (Received September 21, 2006)