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Eric Harrelson, Alexander Voronov and J. Javier Zúñiga* (jzuniga@math.purdue.edu), Department of Mathematics, 150 N. University Street, West Lafayette, IN 47906. *Open-closed* moduli spaces and related algebraic structures.

I will give an account of the construction of the BV-algebra structure on the (geometric) chains of the moduli space of bordered Riemann Surfaces. This leads to a Lie Bracket and a solution to the Quantum Master Equation. (Received September 07, 2010)