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Michael Jury and **Scott McCullough*** (sam@ufl.edu). *An Abel-Jacobi map for hypo-Dirichlet algebras.*

A candidate for the Abel-Jacobi map associated to a uniform algebra A satisfying axioms a bit weaker than hypo-dirichlet and its connection to Pick interpolation will be considered. In the case that A is the uniform algebra of functions continuous on the closure and analytic in the interior of a nice multiply connected domain R in the complex plane the construction yields the usual Abel-Jacobi map for the Schottky double of R (restricted to R). Further examples, including the case that A is the sub-algebra of the disc algebra of functions whose derivative at zero is zero, will be discussed. This work is joint with Michael Jury and will complement his talk at this meeting. (Received September 03, 2010)