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Michael K. Lau* (michael.lau@mat.ulaval.ca), Département de mathématiques, Pavillon Vachon (local 1056), 1045 av. de la Médecine, Québec, QC G1V0A6, Canada. *Representations of twisted current algebras.*

A number of recent papers have used evaluation modules to describe the finite-dimensional representation theory of various generalizations of affine Lie algebras (derived algebras modulo their centres). We explain how these ideas can be combined with techniques from descent theory to give a unified treatment of representations of two of the most compelling such generalizations, equivariant map algebras and twisted forms of current algebras. (Received September 07, 2013)