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Drazen Adamovic* (adamovic@math.hr), Department of Mathematics, University of Zagreb, Bijenicka 30, 10 000 Zagreb, Croatia, and **Antun Milas** (amilas@math.albany.edu). *On explicit realization of logarithmic modules for certain vertex algebras.*

We review our recent results on the representation theory of triplet W-algebras associated to $(1,p)$ and $(2,p)$ minimal models for the Virasoro algebra. We discuss the existence and construction of logarithmic modules for these vertex algebras. A related realization of certain logarithmic modules for admissible affine vertex operator algebras will be also presented. (Received June 27, 2011)