

## 1 Career

Pierluigi Moseneder Frajria graduated from Università di Trento in 1983 and received his Ph.D. from Rutgers University in 1988. From 1988 to 1999 he held a position of Assistant Professor at Università di Trento. Since November 1<sup>st</sup>, 1999 he is Associate Professor at Politecnico di Milano.

## 2 Research interests

Representation theory is his main research interest. He studied unitary representations of semisimple Lie groups and algebras, and representations of quantum groups. More recently, he has worked on possible applications of vertex algebra theory to the study of spin representations of affine Kac-Moody algebras and to the computation of Dirac cohomology. He is presently working on applications of representation theory of affine Kac-Moody Lie algebras to the combinatorics of finite root systems. He is also currently interested in the applications of the theory of superalgebras to combinatorics and to representation theory.