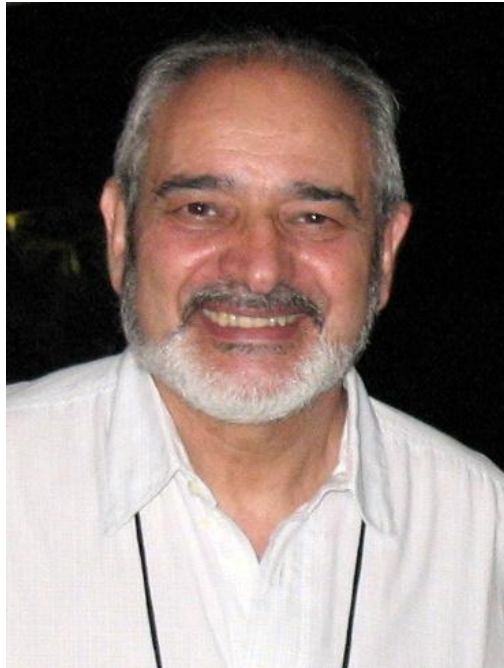# Atlantic Algebra Centre
Colloquium Talk

Cesar Polcino Milies

Instituto de Matemática e Estatística

Universidade de São Paulo

Friday, May 29, 2009
3:00p.m.
HH-3017

Group algebras in Coding Theory

ABSTRACT

First, we shall discuss briefly some basic ideas in coding theory and then study codes that can be realized as ideals of group algebras. We shall consider some situations in which the use of group algebra methods simplifies greatly the proofs already existing in the literature about cyclic codes and are suitable to extend these results to more general codes. The talk should be accessible to a general audience.

ABOUT THE SPEAKER

With a PhD and clinical practice in psychology, an expert in judo, a love of the history of mathematics and the discipline itself, our most interesting guest this week is also widely recognized for his expertise in Algebra and, in particular, group algebras. Cesar Polcino Milies, an Uruguayan who has worked at the University of Sao Paulo, Brazil, for over 30 years, has published several books and now approaches one hundred journal articles. He is also a superb lecturer. We are so very pleased to welcome him back to Memorial, for the 6th time.