

UNIVERSITÀ DELLA CALABRIA



Dipartimento di Matematica e Informatica

AVVISO DI SEMINARIO

Mercoledì 05 febbraio 2014 - ore 10:30

Dipartimento di Matematica - Aula A - cubo 30A - piano terra

prof.ssa **Michela REDIVO ZAGLIA**

Università di Padova

Title:

“Padé, Padé-type approximations and rational interpolation”

Abstract:

Three ideas will be presented in this talk

- 1. In Padé-type approximants, the denominator can be arbitrarily chosen.
We will show how to choose it so that, in addition, these approximants also interpolate the function to be approximated.*
- 2. In barycentric rational interpolation, the weights of the interpolants can be arbitrarily chosen.
We will show how to choose them so that, in addition, they also satisfy a Padé-type approximation property.*
- 3. We will show how to write Padé approximants under a barycentric form.
Numerical examples will also be given.*

**IL DIRETTORE DEL DIPARTIMENTO
prof. Nicola LEONE**

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