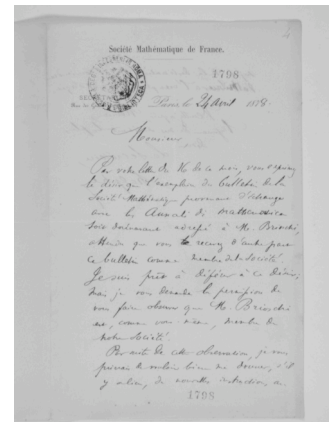


a.a. 2008-09

:: Martedì 31 marzo 2009, ore 11:00

Dipartimento di Matematica, Università
di Roma Tre
Largo S. Leonardo Murialdo 1,
Torre Matematica
3° piano, Aula seminari 311



José Ferreirós (Universidad de Sevilla)

***On the origins of structural mathematics:
New insights from the algebraic and number-theoretic work of
Richard Dedekind, David Hilbert, and Emmy Noether.***

The talk will discuss Emmy Noether's famous saying that "it's all in Dedekind already", taking into consideration the arguments put forward by Leo Corry (1996, 2004) to the effect that the modern structural conception of algebra is *not* to be found in Dedekind. I shall argue that the deep connection between Noether and Dedekind is at the level of *methods* of proof, and not so much the conception of the focal objects of algebra. In order to make this clear, I shall sketch a comparison of the different methods employed by Dedekind, Hilbert, and Noether in their treatment of ideal theory, uncovering a sharp contrast between Hilbert's approach and Dedekind's more modern standpoint.

José Ferreirós, professore dell'Università di Siviglia, è autore del volume [Labyrinth of Thought. A History of Set Theory and Its Role in Modern Mathematics](#) (1999, 2007 seconda edizione riveduta). Sui temi di questo seminario ha pubblicato recentemente "[Hilbert, logicism, and mathematical existence](#)" su *Synthèse, An International Journal for Epistemology, Methodology and Philosophy of Science*, 2008.