



UNIVERSITÀ DI PARMA

DIPARTIMENTO DI SCIENZE MATEMATICHE, FISICHE E INFORMATICHE

<http://smfi.unipr.it>

SEMINARIO

Data e ora: **venerdì 17 maggio 2024** ore **14.30**

Dove: aula A, Plesso di Matematica

Relatore: **Cinzia Bisi,**

professore ordinario, Università di Ferrara

INVARIANTS AND AUTOMORPHISMS FOR SLICE REGULAR FUNCTIONS: FROM SOME CLIFFORD ALGEBRAS, AS THE QUATERNIONS, TO THE OCTONIONS

Abstract: *Let A be one of the following Clifford algebras :*

$$\mathbb{R}_2 \cong \mathbb{H}, \mathbb{R}_3, \text{ or}$$

$$A = \mathbb{O}.$$

For the algebra A , the automorphism group $\text{Aut}(A)$ and its invariants are well known. In this talk, I will describe the invariants of the automorphism group of the algebra of slice regular functions over A . All the results presented are contained in two preprints , jointly with Joerg Winkelmann (Ruhr-University,Bochum), soon available on Arxiv.

Organizzatore: prof. Adriano Tomassini