



## SFB-Seminar and plenary meeting (Researchproject C2)

### TIME:

3 Jun 2014, 14:00 - 18:00

### LOCATION:

Humboldt-Universität zu Berlin  
Institut für Mathematik und Institut für Physik  
IRIS Gebäude, Vortragsraum 2.07  
Zum Großen Windkanal 6  
12489 Berlin-Adlershof

### PROGRAM:

14:00 - 15:00 SFB plenary meeting

15:00 - 15:30 Break

15:30 - 16:30 **Prof. Dr. Vicente Cortés (Universität Hamburg)**

#### **Constructions of quaternionic Kähler manifolds inspired by supergravity**

Prof. Dr. Vicente Cortés will present various constructions of quaternionic Kähler manifolds and discuss how to obtain complete examples of negative scalar curvature.

16:30 - 17:00 Break

17:00 - 18:00 **Prof. Dr. Bent Ørsted (Aarhus University)**

#### **Some new Poisson transforms in conformal and CR geometry**

The classical Poisson transform produces solutions to some elliptic equations, equivariant for the conformal group. We shall discuss some recent examples of Caffarelli et al. from the point of view of representation theory; also involved are analogues of Juhl's residue families of differential operators.

### Contact:

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