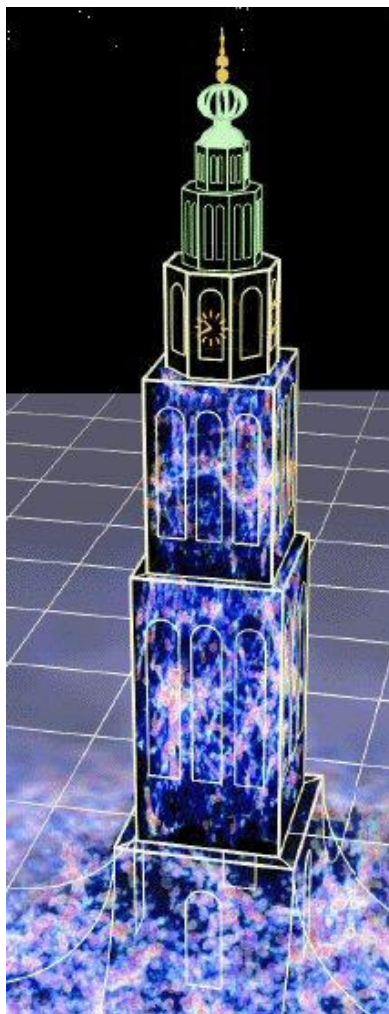
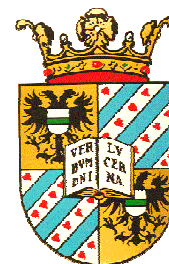


Moi! from Groningen

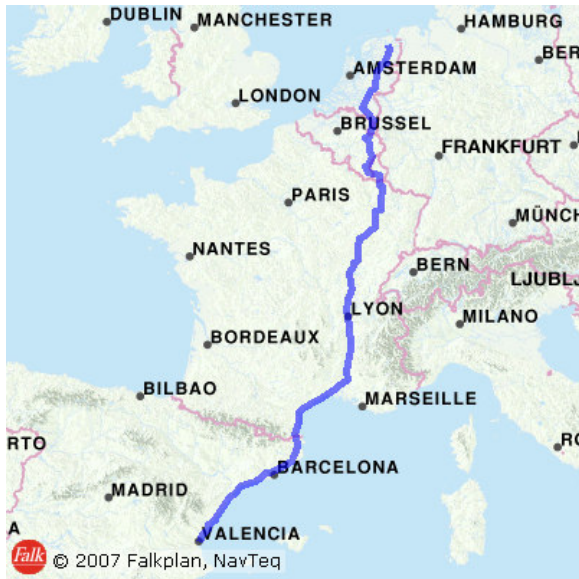


Wissam Chemissany



Nothing above Groningen

Where are we?



Martini Tower



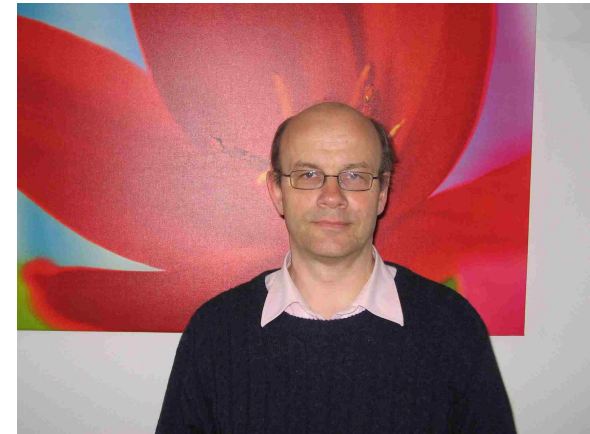
The Netherlands



The Group @ the University of Groningen – The professors...

Prof. Dr. E. A. Bergshoeff

- E11 and hidden symmetries
- Geodesic Motion in SUGRA
- The Q - world



Prof. Dr. M. de Roo

- E11 and hidden symmetries
- Black Hole and attractor mechanism
- Born-Infeld Theory



The postdoc...

Started 01-09-2007

Dr. Olaf Hohm

- Higher spin theories and their symmetries, consistent coupling of higher-spin fields to gravity,
- Incorporation of massive KK-modes into EF-SUGRA:
 - 1) Uplifting of hidden symmetries to higher-dimensional theories,
 - 2) Application to AdS/CFT correspondence.



Interest: E11, SUGRA and hidden symmetries

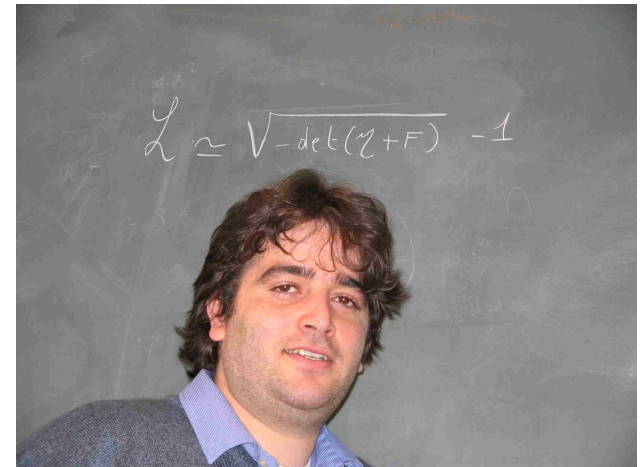


The PhD. students...

Drs. Wissam Chemissany

4th year

- Born-Infeld theory and derivative corrections ([de Jong and de Roo](#));
- Black Hole, duality, entropy calculation ([Panda and de Roo](#));
- Geodesic Motion in SUGRA ([Bergshoeff, Ploegh and Van Riet](#));



The PhD. students...

Drs. Jelle Hartong

4th year

➤ The Q-world:

- 1) Q7-branes (*Bergshoeff, Gran, Ortin, Roest and Sorokin*);
- 2) Q-instantons (*Bergshoeff, Ploegh and Sorokin*);
- 3) Qp-branes (Bergshoeff and Sorokin);

➤ Stringy cosmic strings in matter coupled N=2, D=4 supergravity (Bergshoeff, Huebscher and Ortin),



The PhD. students...

Drs. André Ploegh

4th year

- Non-extremal D-instantons and the AdS/CFT correspondence ([Bergshoeff, Collinucci, Vandoren, Van Riet](#))
- Generalized Assisted Inflation ([Hartong, Ploegh, Van Riet and Westra](#))
- Pseudo supersymmetry ([Bergshoeff, Hartong Rosseel and Van Den Bleeken](#))
- Geodesic Motion in SUGRA ([Bergshoeff, Chemissany and Van Riet](#))
- Q-Instantons ([Bergshoeff, Hartong and Sorokin](#))



The PhD. students...

Drs. Teake Nutma

2nd year

➤ (Gauged) supergravities, infinite-dimensional Lie algebras, and the connections between the two ([Bergshoeff, De Baetselier, Gomis and Roest](#)):

- Maximal supergravities,
- Half-maximal supergravities.

➤ Software to probe infinite-dimensional Lie algebras (SimpLie).



CU in Groningen someday...



2006

Thee fabriek: The annual brain storm sessions.