

# Curriculum Vitae



## PERSONAL INFORMATION

Family name, First name: **Bergshoeff, Eric Arnold**  
Date of Birth: August 5, 1955  
Gender: Male  
Nationality: Dutch  
URL Webpage: <http://www.ericbergshoeff.nl>  
Google Scholar profile: <http://scholar.google.nl/citations?user=EnI1UGEAATAAJ&hl=en>  
inSPIRE profile: <http://inspirehep.net/author/profile/E.A.Bergshoeff.1>

## EDUCATION

1979 – 1983 **PhD**, Leiden University, the Netherlands  
Title thesis: *Conformal Invariance in Supergravity*  
Supervisor: Prof. B.Q.P.J. de Wit  
1973 – 1979 **MSc**, Theoretical Physics, Leiden University, the Netherlands

## CURRENT POSITION

2009 – present ‘**Willem de Sitter**’ **Chair in Theoretical Physics**, and **Director**, Van Swinderen Institute for Particle Physics and Gravity, University of Groningen, NL

## PREVIOUS POSITIONS

2001 – 2009 **Full Professor in Theoretical High-Energy Physics**, University of Groningen, NL  
1999 – 2001 **Assistant Professor**, University of Groningen, the Netherlands  
1996 – 1999 **Research Leader**, University of Groningen, the Netherlands  
1991 – 1996 **KNAW Fellowship**, Royal Netherlands Academy of Sciences, Uni. of Groningen, NL  
1989 – 1991 **Research Fellow**, CERN, Geneva, Switzerland  
Fall 1988 **Visitor**, Imperial College, London, United Kingdom, and Nikhef, Amsterdam, NL  
1984 – 1988 **Postdoctoral Researcher**, ICTP, Trieste, Italy  
1983 – 1984 **NATO Science Fellowship**, Brandeis University, Boston, USA

## FELLOWSHIPS AND AWARDS

2014 **Elected Member, Royal Holland Society of Sciences and Humanities** (‘Koninklijke Hollandsche Maatschappij der Wetenschappen’ - KHMW)  
2010 **Academy Professorship Prize** (‘Akademiehoogleraar’), **Royal Netherlands Academy of Sciences** (KNAW). Awarded to leading researchers ‘for exceptional achievement throughout the course of their careers’  
2007 Recipient of the **Nicolaas Mulerius Stipendium 2006**, University of Groningen, NL  
1999 **Simons Lecturer**, Institute for Theoretical Physics, University of Stony Brook, USA  
1991 Recipient of a **KNAW Fellowship** from the Royal Netherlands Academy of Sciences

## UPCOMING VISITING PROFESSORSHIPS

2017 Visiting Researcher (Oct-Nov 2017) *École Normale Supérieure*, Paris  
2018 Senior Research Fellow (Jan-Feb 2018), *Erwin Schrödinger Institute*, Vienna (includes lecture course on Applied Newton-Cartan Geometry)  
2018 Visiting Researcher (April-May 2018), *Perimeter Institute for Theoretical Physics*, Waterloo (Canada)

## SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

I have supervised **22 PhD students**, **34 MSc students** and **14 Postdocs**. (Current: **1 Tenure Track Assistant Professor**, **1 postdoc** and **4 PhD students**). See Track Record for further details.

## TEACHING ACTIVITIES

I have taught numerous physics courses at my own University (*Groningen*) and at other Universities (*Granada, Leuven, Lodz, Madrid, Santiago (Chile), Valencia*); I have lectured at the *Dutch Research School for Theoretical Physics (DRSTP) PhD Schools* (1994, 1997, 1999, 2009); and I have also lectured at many international schools such as the *Karpacz Winter school of Theoretical Physics* (1992, 1997, 2001); the *Aegean Summer School* (2011, 2013, 2015); and the *Cargèse Summer School* (2012).

## ORGANISATION OF SCIENTIFIC MEETINGS (Selection only from a total of more than 25)

I have been involved in the organization of many international conferences. Key examples include:

1. **Member of the Organizing Committee** of the *Topical Workshop Applied Newton-Cartan Geometry*, MITP, March 5 – 9, 2018, Mainz (Germany), see the webpage <https://www.mitp.uni-mainz.de>
2. **Member of the Organizing Committee** of the *Simons Workshop Applied Newton-Cartan Geometry*,

Simons Center for Geometry and Physics, March 6-10, 2017, Stony Brook (USA), see the webpage <http://scgp.stonybrook.edu/archives/18337>

3. **Member of the Organizing Committee** of the *GGI Workshop Supergravity: What Next?*, the Galileo Galilei Institute for Theoretical Physics Arcetri, September 5 – October 28, 2016, Florence (Italy), see the webpage <http://www.ggi.fi.infn.it/index.php?page=workshops.inc&id=211>
4. **Member of the Organizing Committee** of the *Workshop Recent developments in symmetries and (super)gravity theories*, June 13 – 15, 2016, Istanbul (Turkey), see the webpage <http://imbm.org.tr/SUGRA16/SUGRA16.html>
5. **Member of the Organizing Committee** of the *eighth Aegean Summer School Gravitational Waves: From Theory to Observations*, June 29 – July 4, 2015, Rethymno (Greece)
6. **Co-Organizer** of the *Workshop on Higher-Spin and Higher-Curvature Gravity*, November 4 – November 7, 2013, São Paulo (Brazil)
7. **Co-organizer** of the conference *From Strings to Cosmic Web: the Search for the Origin of Our Universe*, November 30 – December 2, 2005, Groningen (the Netherlands)
8. **Co-organizer** of the Lorentz workshop *Branes and Cosmology*, Nov 18 – 22, 2002, Leiden (NL)
9. **Co-organizer** of the *Strings '97* conference, June 16 – 21, 1997, Amsterdam (the Netherlands)

### COMMISSIONS OF TRUST

- 2001 – present **Leader of the FOM/NWO research group FOM-G-01** (the Netherlands Organisation for Scientific Research)
- 2001 – 2006 **Member, Physics Advisory Board**, Lorentz Center, Leiden, NL
- 1998 – 2004 **Member, Governing Board**, Dutch Research School of Theoretical Physics (DRSTP)

### INSTITUTIONAL RESPONSIBILITIES

- 2002 – 2017 **Director of the Van Swinderen Institute for Particle Physics and Gravity**, University of Groningen, the Netherlands
- 2001 – present **Leader, 'Core unit' Theoretical High-Energy Physics**, Uni. of Groningen, NL

### EDITORIAL BOARDS AND PEER REVIEW

- 1997 – 2004 **Member of the Editorial Board** of *Classical and Quantum Gravity*

I have been a referee for numerous journals such as: *Nuclear Physics B*, *Physical Review Letters* and the *Journal for High Energy Physics*. I am grant reviewer for ERC and several national science organizations such as the Dutch NWO, the Belgian FNRS and FWO, the Russian New Eurasia Foundation, the Swedish Research Council, the Qatar National Research Fund and the Czech Science Foundation.

### MEMBERSHIPS OF GRANT SELECTION COMMITTEES

- 2016 – 2018 **Panel Member for the Flemish Research Council FWO**
- 2014 – 2015 **Panel Member for the Swedish Research Council**
- 2009 **Member of the Dutch NWO Vici Grants Selection Committee**
- 2008 **Member of the Evaluation Committee** for the *Development of Centres of Excellence in Research* program for the period 2008-2015, **Estonia**
- 2004 **Member of the Dutch FOM Vidi Grants Selection Committee**

### MAJOR RESEARCH GRANTS (last ten years only from a total career funding of more than €16M)

- 2017 – 2021 **Principal Investigator of the Dutch national FOM Program Grant** *Scanning New Horizons: Emergent Space-Time, Black Holes and Quantum Information* (total budget: €2 660 000)
- 2013 – 2016 **Recipient of the Dutch FOM 'beleidsruimteproject' 12PR3026** *A New Road to Massive Gravity?* (€396 000)
- 2012 – 2017 **Recipient of a KNAW grant** (Academy Professorship Prize: €1 237 500)
- 2009 – 2012 **Recipient of the Dutch FOM 'beleidsruimteproject' 09PR272** *Massive Gravity: the road to Quantum Gravity?* (€360 000)
- 2010 – 2014 **Co-recipient of the Dutch national FOM Program Grant** *A String Theoretic Approach to Cosmology and Quantum Matter* (total budget: €2 200 000)
- 2004 – 2008 **University of Groningen Contact Person** of the European Commission FP6 Marie Curie Actions program MRTN-CT-2004-005104, *Constituents, Fundamental Forces and Symmetries of the Universe* (total budget: €2 810 751)

### MAJOR COLLABORATIONS

Collaborated with over 80 colleagues. My collaborators include: **Chris Hull** (Imperial College, London): 2 papers, **Renata Kallosh** (Stanford University, USA): 22 papers, **Paul Townsend** (Cambridge, United Kingdom): 37 papers, **Abdus Salam** (Nobel Laureate 1979, deceased): 6 papers, **Ergin Sezgin** (Texas A&M University, College Station, USA): 48 papers and **Misha Vasiliev** (Lebedev Institute, Moscow): 3 papers