

HOLOGRAV

<http://www.fc.up.pt/cfp/HoloGrav/>

The Holograv network encourages and promotes research in gauge/gravity duality, including its applications across particle, nuclear, condensed matter and gravitational physics.

The network supports academic and student exchanges, workshops, conferences and summer schools, to be organized across Europe and at the network associated countries. Anyone in the EU can apply!

Member Countries and Steering Committee

Belgium (Antoine Van Proeyen - KU Leuven)

Denmark (Niels Obers - Niels Bohr Institute, U Copenhagen)

Finland (Keijo Kajantie - Helsinki Institute of Physics, U Helsinki)

France (Vladimir Kazakov - LPTENS, Paris)

Germany (Johanna Erdmenger - Max Planck Institute, Munich)

Hungary (Zoltan Bajnok - RIPNP, Hungarian Academy of Sciences)

Iceland (Larus Thorlacius - U Iceland, Science Institute)

Italy (Massimo Bianchi - U Rome Tor Vergata)

Portugal (Miguel Costa - Faculty of Sciences, U Porto)

Sweden (Joseph Minahan - Uppsala U)

Switzerland (Urs Wiedemann - CERN)

The Netherlands (Jan de Boer - U Amsterdam)

UK (Nick Evans - U Southampton)

Associated Countries and Representatives

Canada (Robert Myers - Perimeter Institute)

Cyprus (Nikolaos Toumbas - Cyprus U)

Greece (Elias Kiritsis - U Crete)

India (Rajesh Gopakumar - HRI, Allahabad)

Ireland (Sergey Frolov - Trinity College, Dublin)

Israel (Yaron Oz - Tel-Aviv U)

Japan (Koji Hashimoto - RIKEN)

Poland (Romuald Janik - Institute of Physics, Jagiellonian U)

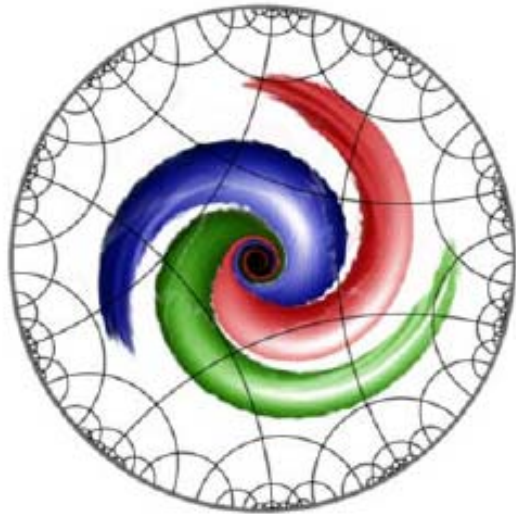
Korea (Piljin Yi - Korean Institute for Advanced Study)

Russia (Lev Lipatov - St. Petersburg, INP)

Spain (Javier Mas - U Santiago de Compostela)

US (Derek Teaney - SUNY, Stony Brook)

Conferences



Gauge/Gravity Duality 2013
Max-Planck-Institut für Physik, 29 July 2013 to 2 August 2013

<http://ggd2013.mpp.mpg.de/>

Follow up in 2015...

Pre-Strings Summer School - Korea

June 13th-22nd in Pohang

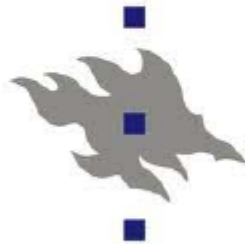
Organisers: Sang-Jin Sin & Piljin Yi

Funds for airfares for 20 EU students & postdocs to attend.... Details soon...

Follow up in 2015...

Program Workshops

HoloGrav 2013
University of Helsinki, March 4 - 8, 2013



UNIVERSITY OF HELSINKI

This year the annual meeting of the HoloGrav network will be held at the Department of Physics of Helsinki University.
More information is available [here](#).

HOLOGRAV: 2012
Swansea University, April 16 - 20, 2012



This conference will be the first annual meeting of the HoloGrav network.
More information is available [here](#).

Follow up in June 2014 in Iceland

Mini Workshops

Network opening Workshop LPTENS, June 29, 2011



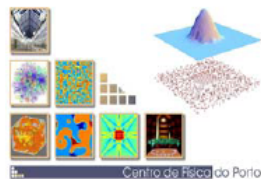
On the 29th of June of 2011 the kick off meeting of Holograv was held in Paris at LPTENS.

Strong Coupling and Holography in Cosmology University of Amsterdam, November 7 - 8, 2011



This workshop will explore the possible role of strongly coupled physics, and its description in terms of holography, in Cosmology. More information is available here.

Correlation Functions in N=4 SYM Centro de Física do Porto, December 17 - 20, 2012



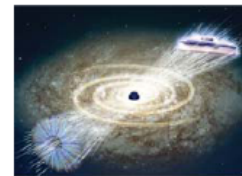
This workshop will cover the subject of correlation functions in $N = 4$ SYM, extending successes of the past years for the spectral problem of this theory. Research in this topic combines field theory and integrability techniques, together with the gauge/gravity duality. More information is available here.

Physics - Mathematics Summer Institute Luminy-Cargese, June 20 - July 16, 2011



This conference was devoted to affine and double affine Hecke algebras, the Langlands program, affine flag varieties, conformal field theory, super Yang-Mills theory and the AdS-CFT correspondence. More information is available here.

Paris Meeting on Holography at Finite Density APC, November 16 - 18, 2011



This workshop will explore different aspects of the recently discovered holographic techniques for strongly coupled systems and their applications in strongly correlated condensed matter systems. More information is available here.

Holography and Magnetic Catalysis of Chiral Symmetry Breaking Dias School of Theoretical Physics, November 19 - 22, 2012

The Holographic Way: String Theory, Gauge Theory and Black Holes Nordita, October 1 - 26, 2012



This program will take place at Nordita in Sweden during the month of October, in the coming year of 2012. More information will be available here.

Mini Workshops

To come in 2013:

Technion – Hydrodynamics

Edinburgh – LHC, composite higgs

INFN - Susy breaking & uv divergences in sugra

Frankfurt – QCD Phase Diagram

Paris - Sugra geometries

Funding upto Eu 5k available for such meetings
until 2016

Collaborative Travel

We have funded 17 collaboration meetings in the EU in two years

Funding upto ~ Eu 1k available

Under claimed so far...

How to Apply

One page summary + CV to

<http://www.fc.up.pt/cfp/HoloGrav/funding.html>