

CURRICULUM VITAE

Philippe R. DI FRANCESCO

1-General information

Name: DI FRANCESCO First: Philippe
Citizenship: French
Address: Dept. of Mathematics, Univ. of Illinois at Urbana-Champaign
 1409 W Green St, Urbana, IL, 61801, USA
e-mail: philippe@illinois.edu

2-Education

- 1980:** Bac série C mention TB (high school diploma, math major, highest honors).
- 1982:** Admission to the national exam to the Ecole Polytechnique (section M'); rank: first.
- 1983:** Licence ès Mathématiques, mention TB (highest honors), Université Paris XI-Orsay, passed during the military service.
- 1985:** Diplôme d'ingénieur de l'Ecole polytechnique; rank: first.
- 1985:** Admission to the Corps National des Mines. Present grade: Ingénieur Général, quatrième échelon.
- 1987:** DEA (last diploma before PhD) in Solid state physics, director J. Friedel, Université Paris XI-Orsay; mention TB (highest honors).
- 1988:** Diplôme d'ingénieur du Corps National des Mines.
- 1989:** PhD of the Université Paris VI-Jussieu, adviser: J.-B. Zuber (SPhT, Saclay); mention très honorable (highest honors); subject: *Conformally invariant two-dimensional field theories*.
- 2004:** Habilitation à diriger des recherches (HDR), Université Paris VII, spécialité Mathématiques.

3-Distinctions/Honors

- 1985:** Prize L.E. Rivot of the French Académie des Sciences.
- 1985:** Laplace Medal of the French Académie des Sciences.
- 1985:** Prize H. Poincaré of the Alumni Association of the Ecole Polytechnique.
- 2010:** Invited talk at the International Congress of Mathematics, section Mathematical Physics (cancelled).
- 2012:** Plenary address at the International Congress of Mathematical Physics.
- 2018:** Invited speaker, International Congress of Mathematics, Rio de Janeiro, Brazil.

4-Funding

- 1996:** Junior Faculty Development award, University of North Carolina at Chapel Hill. Research Small Grant, University of North Carolina at Chapel Hill.
- 1997:** NSF Principal Investigator Grant (1/2 mathematics, 1/2 physics), 3 years.
- 2001–2004:** Member of the European network grant EUROGRID.
- 2002–2005:** Member of the European network grant EUCLID.
- 2004–2007:** Member of the European network grant ENRAGE.

- 2004–2007:** Member of the ACI grant “Masses de données”, GEOCOMP project.
- 2006–2008:** Member of the ANR grant GIMP.
- 2006–2010:** Member of the European network grant ENIGMA.
- 2009–2012:** Member of the ANR grant GranMa.
- 2011–2013:** CNRS PICS Grant “Discrete Integrable Models, Cluster Algebras and Positivity”.
- 2013–2017:** NSF Principal Investigator Grant DMS 13-01636: Integrable Combinatorics (\$250,000).

5-Employment/Visiting positions

- 1988-2013:** Permanent research member, Institut de Physique Théorique, C.E.A., Saclay, France.
- 1989-1991:** Research associate, Princeton University, Princeton, N.J., theoretical physics group (D. Gross).
- 1996-1998:** Associate professor of mathematics, department of Mathematics, University of North Carolina at Chapel Hill, U.S.A.
- 1998-2000:** Professor of Mathematics, department of Mathematics, University of North Carolina at Chapel Hill, U.S.A.
- 1999:** Member, Mathematical Science Research Institute, Berkeley, U.S.A. (spring).
- 2008:** Member, Mathematical Science Research Institute, Berkeley, U.S.A. (spring).
- 2009:** Visiting Professor, University of Illinois at Urbana-Champaign, Urbana, U.S.A. (spring).
Research in Pairs, Mathematisches Forschungsinstitut Oberwolfach, Germany (summer).
Member, Institut Henri Poincaré, Paris (fall).
- 2010:** Gehring Visiting Scholar, University of Michigan, Ann Arbor, U.S.A. (spring).
Research Professor, Mathematical Science Research Institute, Berkeley, U.S.A. (fall).
- 2012:** Research Professor, Mathematical Science Research Institute, Berkeley, U.S.A. (spring).
Research Professor, Mathematical Science Research Institute, Berkeley, U.S.A. (fall).
- 2013-:** Gertrude and Morris Fine Distinguished Professor of Mathematics, University of Illinois, Urbana-Champaign, U.S.A.
Member, Simons Center for Geometry and Physics, SUNY Stony Brook, NY, U.S.A. (March-April).
- 2017:** Visiting Professor, Institut Henri Poincaré, Paris, France (January-March).

6-PhD supervision

- 1992-1995:** PhD adviser of F. Lesage (co-direction with C. Itzykson).
- 1996-1998:** PhD adviser of Karl Hallowell, mathematical physics.
- 2001-2005:** PhD adviser of Jérémie Bouttier (co-direction with E. Guitter).
- 2013-2017:** PhD adviser of Panupong Vichitkunakorn (co-direction with R. Kedem).

7-Conference organization/scientific committees

- 1994:** Organization of the conference: *Topology, Strings and Integrable Models* (with D. Bernard, V. Pasquier of Saclay, J.-L. Gervais of the ENS, C. Bachas of the Ecole Polytechnique, and L. Baulieu of Paris 6-Jussieu), satellite of the XI-th International Congress of Mathematical Physics of the IAMP.

- 1997:** Co-organization (with L. Baulieu, P. Windey and M. Picco) of the summer school: *Strings, Branes and Dualities*, Cargèse, France.
- 1998:** Organization of a satellite conference to Stat Phys 98: *Journées Claude Itzykson*, Institut Henri Poincaré, Paris, France.
- 2000:** Organization of the "journée thématique du Service de Physique Théorique: Physique Statistique Combinatoire", SPhT, Saclay, France.
- 2001:** Co-organization (with I. Kostov) of the 6th international Claude Itzykson meeting "MATRIX MODELS 2001", SPhT Saclay, France.
- 2002:** Co-organization (with W. Krauth) of the session "Statistical Mechanics" of the international conference TH-2002, Palais de l'UNESCO, Paris, France.
- 2004:** Co-organization (with F. David and B. Eynard) of the Les Houches 2004 EUROGRID conference, Ecole de Physique des Houches, France.
- 2007:** Co-organization (with C. Krattenthaler) of the Oberwolfach seminar: enumerative combinatorics and statistical physics, November 2007, Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach, Germany.
- 2008:** Co-organization (with B. Duplantier) of the workshop "Statistical Mechanics and Quantum Field Theory methods in Combinatorial Enumeration", Isaac Newton Institute for Mathematical Sciences, 21-25 April 2008, Cambridge, UK.
- 2010:** Topics coordinator (Mathematical aspects) for StatPhys 24, July 2010, Cairns, Australia.
- 2012:** Co-organization (with A. Okounkov, S. Rohde and S. Sheffield) of the workshop "Statistical Mechanics and Conformal Invariance", March 2012, Mathematical Science Research Institute, Berkeley, U.S.A.
Scientific advisory committee, conference "Conformal Invariance, Discrete Holomorphicity and Integrability", June 2012, Helsinki, Finland.
- 2014-:** Member of the Scientific Advisory Committee of the Simons Center for Geometry and Physics, Stony Brook, NY (since October 2014).
- 2015:** Co-organization (with R. Kedem) of the workshop "Integrable Combinatorics" at the Central Spring Sectional Meeting of the AMS, Michigan State University, East Lansing, MI, USA, March 2015.

8-Editor/referee

Editor, Communications in Mathematical Physics.

Editor, Journal of Statistical Mechanics: Theory and Experiment.

Editor, Annales de L'Institut Henri Poincaré D (Combinatorics, Physics and their Interactions).

Referee: Journal of Statistical Mechanics: Theory and Experiment, Nuclear Physics B, Journal of Physics A: Mathematical and Theoretical, Communications in Mathematical Physics, Advances in Math, Duke Math Journal, Discrete Math.