



# Marie-Françoise Roy

## *Curriculum Vitae*

### Biographical information

**Born in Paris, France, 28/04/1950, .**

**Married to Michel Coste, 10/07/1971, .**

**Mother of two children Denis and Elise, born in 1974 and 1976, .**

### Education

**French Baccalauréat "Mathématiques élémentaires", 1967, .**

**student of Ecole normale supérieure de Sèvres, 1969-1973, .**

**maitrise de mathématiques, 1970, .**

**DEA de mathématiques, 1971, .**

**agrégation de mathématiques, 1972, .**

**thèse d'état, 1980, Université Paris Nord, .**

**Spectre réel d'un anneau et topos étale réel**

### Professional experience

1972–1973 **assistante**, UNIVERSITÉ DE RENNES I.

1973–1981 **assistante**, UNIVERSITÉ PARIS NORD.

1981–1983 **maitre-assistante**, UNIVERSITÉ DE NIAMEY, NIGER.

1983–1984 **maitre-assistante**, UNIVERSITÉ DE RENNES 1.

1985 **maitre de conférence**, UNIVERSITÉ DE RENNES 1.

1985–1990 **full professor**, UNIVERSITÉ DE RENNES 1.

1990–1991 **research director**, CNRS.

1991–2012 **full professor**, UNIVERSITÉ DE RENNES 1.

2012– **emeritus professor**, UNIVERSITÉ DE RENNES 1.

## Responsabilities in the mathematical community

- 1981–2004 editor of the Journal of Pure and Applied Algebra
  - 1981 co-organizer of the first international conference in Real Algebraic Geometry
  - 1986 founding member of European Women in Mathematics
- 1987–1989 first president of the Association Femmes et Mathématiques
- 1987–1992 in charge of the research groupe "Algebra, Logic and Real geometry" of IRMAR (URA CNRS 305, Université de Rennes 1)
- 1991–1995 president of the CNRS commission 01 (Mathématiques et Outils de modélisation)
- 1992–1995 in charge of the Real Solving part in the ESPRIT BRA POSSO project
- 1995–2004 member of the scientific council of the Revista Matematica de la Universidad Complutense
- 1996–1999 in charge of the Algorithms part in the the project ESPRIT LTD FRISCO
  - 1998 co-organizer of a semester on Computational Algebra in MSRI
- 2000–2003 director of IRMAR
  - 2003 co-director of a CIMPA research school on "Effectivité et algorithmique en algèbre et géométrie", Niamey, Niger
  - 2003 founding member of the international research group MAP (Mathematics Algorithms and Proofs)
  - 2003 co-director of an ICTP research school on "Real algebraic geometry and application", Trieste
- 2003–2009 co-coordinator of the RAGAAD (African Network of Algebra and Geometry applied to development) network
- 2004–2007 president of SMF (French Mathematical Society)
  - 2005 co-director of an ICTP-OEA school in Niamey (Niger)
- 2007–2013 scientific advisor in charge of subsaharian Africa for ICPAM-CIMPA
  - 2008 nominating committee for the EMS Prizes Amsterdam
- 2009–2013 scientific steering committee of Newton Institute
  - 2009 co-organizer of "Mathématiques à Venir" (Mathematics to come)
  - 2009 co-director of a CIMPA research school in Yaounde Cameroun
- 2009–20013 European Women in Matematics convenor
  - 2012– member of SMF scientific committee
  - 2013– secretary of SMF scientific committee
  - 2013– facilitator of two research projects in Africa for Simons Foundation
  - 2014 co-director of a CIMPA research school in M'Bour Sénégal
  - 2015 chair of the Committe for Women in Mathematics of the International Mathematical Union
  - 2015 co-organizer of a thematic program on Computer Algebra at the Fiels Institute

*IRMAR – Université de Rennes, 35042 Rennes Cedex, France*

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## Research advising

23 Ph D advised or co-advised (see Mathematics Genealogy Project)

## Publications

List to be found at <http://perso.univ-rennes1.fr/marie-francoise.roy/>

## Other responsibilities

- 1997 founding member of Tarbiyya Tatali, a network of associations in France and in Niger supporting the self-development of the people of Niger
- 2006–2009 president of AECIN (Association for Cultural Exchanges Ille et Vilaine Niger) in the framework of Tarbiyya Tatali
- 2007– in charge of Tarbiyya Tatali's website <http://www.tarbiyya-tatali.org/>
- 2009– first president of AESCD (Association for Exchanges in Solidarity between Cesson and Dankassari) in the framework of Tarbiyya Tatali

## Miscellaneous

Page on [http://en.wikipedia.org/wiki/Marie-Francoise\\_Roy/](http://en.wikipedia.org/wiki/Marie-Francoise_Roy/)

Chapter in *Parcours de mathématiciens*, by Philippe Pajot, pub. Le Cavalier bleu (2011)

Portrait on EWM website <http://www.europeanwomeninmaths.org/women-in-math/portrait/marie-francoise-roy>

## Awards

- 2004 Prix Irène Joliot-Curie, catégorie reconnaissance
- 2007 Chevalière de l'Ordre National du Mérite
- 2009 Chevalière de la Légion d'Honneur
- 2014 Officière de l'Ordre National du Mérite
- 2015 Docteur Honoris Causa de l'Université de Cantabria