

## Vincent BRETON



### SCIENTIFIC SKILLS

12 years research in nuclear and particle physics (CNRS bronze medal 1994)  
16 years multidisciplinary research at the interface with life sciences, medicine and computer sciences  
Over 150 peer-reviewed scientific publications (h-index: 48)  
Coordinator of France Distributed Computing Infrastructure  
Supervisor of 20 PhD students (10+ in academia)  
Co-owner of 3 Patents

### SCIENCE MANAGEMENT

2019- Co-director of French-Korean Particle Physics Laboratory (International Associated Laboratory)  
2010- Coordinator of France Grilles National Distributed computing Infrastructure (> 1000 users, > 500 M CPU hours)  
2015- Coordinator of regional Computing Infrastructure project in Auvergne (3 MEuros budget)  
2010-2017 Director of CNRS Institute of Grids and Clouds  
2012-2015 Deputy Scientific Director of LPC

### MAIN SCIENTIFIC PROJECTS

- **2015** : Co-founder of the Long Term Ecological Research Observatory to study life in uranium-rich territories (zatu.org)
- **2005**: Co-founder of the WISDOM initiative for drug discovery on grid infrastructures (co-owner of 3 patents)
- **2002**: Co-founder of the GATE Monte-Carlo toolkit (over 1500 users worldwide)

### EDUCATION

1996 Habilitation à Diriger les Recherches (Université Blaise Pascal, Clermont-Ferrand)  
1987-1990 PhD in Nuclear Physics, university Paris XI (Orsay)  
1982-1985 Engineering studies at Ecole Centrale de Paris

### CAREER PATH

October 2014 First class senior scientist at CNRS (directeur de recherches de 1<sup>ère</sup> classe)  
October 2008 Senior Scientist at CNRS (Directeur de Recherche de 2<sup>ème</sup> classe)  
October 1990 Junior Scientist at CNRS (Chargé de Recherche)

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57 years old

Married, 2 children

Senior CNRS scientist at  
Laboratoire de Physique de  
Clermont (LPC)  
Clermont-Auvergne  
University

### LANGUAGES

French : mother tongue  
English : level C1  
German: Level B1

### SCIENTIFIC PRODUCTION

>80 articles in peer-reviewed international journals  
>70 contributions to international peer-reviewed conference proceedings  
H-index : 48 (Google scholar)  
Citations > 12500 (Google Scholar)

### PRIZES

1994 : CNRS Bronze medal (contribution to the determination of neutron spin structure function)  
2009: Rotblat citation prize with coauthors of *Phys. Med. Biol.*, 49 (2004) 4543-4561. (> 1800 citations)