Biography Prof.dr. Beatriz Noheda

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Noheda received her PhD in Physics in 1996 from the Autonomous University of Madrid. After various stays and positions at the University of Saarlandes, Clarendon Laboratory in Oxford, Brookhaven National Lab in New York and the Vrije Universiteit in Amsterdam, in 2003 she was awarded a Rosalind Franklin Fellowship by the University of Groningen, where she is now Full Professor. Noheda is a Fellow of the American Physical Society and has received the IEEE-Robert E. Newnham Ferroelectrics award for her research on ferroelectric and multiferroic materials. She has served in numerous committees and several editorial boards. She receives more than 10 invitations per year to speak in international conferences and has given 8 plenary and keynote talks. Currently Noheda serves as director of the newly founded *Groningen Center for Cognitive Systems and Materials* (*CogniGron*).

Noheda's research focuses on understanding the relationship between structure and functionality of thin films of ferroelectric, piezoelectric, multiferroic, and lately also memristive materials, the control of nano-domains that self-assemble by strain engineering, as well as the characterization of the distinct properties of domain walls. Although her research is fundamental in nature, it is inspired by two main application areas that she believes will enable the next technological revolution: piezoelectric energy harvesting for low power electronics and the development of novel materials for neuromorphic computing.