



# The 35th Annual Workshop 2024 Fundamental Physics of Ferroelectrics

February 4-7, 2024

Dear Colleague,

This is the second announcement for the workshop “**Fundamental Physics of Ferroelectrics and Related Materials 2024**” (**Ferro2024**), which will take place **Feb 4-7, 2024** at the Earth and Planets Laboratory, Carnegie Institution for Science, 5241 Broad Branch Rd., N.W, Washington, D.C., 20015. Registration and two-page-abstract (**pdf format**) deadlines are Dec. 1, 2023. The registration fee is \$300 through December 1. Late registration will be possible, **but abstracts received after December 1 risk not being included in the program**. The late registration is \$400. Registration is at: <https://www.materialsbydesign.org/registration2024>. The website also has information about hotels and travel.

Confirmed Invited Speakers are:

Vincent Garcia, Unité Mixte de Physique CNRS/Thales, France  
Philippe Ghosez, Université de Liège Belgium  
Shi Liu, Westlake University, China  
Jacobo Santamaria, Universidad Complutense, Madrid, Spain  
Max Stengel, Institut de Ciencia de Materials de Barcelona, Spain  
Susan Trolrier-McKinstry, Penn State, USA  
Wen-Yi Tong, East China Normal University, China  
Chris van de Walle, UC Santa Barbara, USA  
Ruijuan Xu, North Carolina State University, USA

This workshop has met annually since 1990. Over the past 35 years, it has evolved into one of the world's leading forums on the physics of ferroelectricity and related phenomena where the best researchers from around the world gather to share and debate **cutting-edge** developments in the field, both experimental and theoretical. This workshop series has played a significant role in fostering multi-institutional research collaborations devoted to understanding the fundamental physics of these complex and versatile materials. Topics to be discussed include the fundamental physics of electrically active devices, multiferroics, polar photovoltaics, nonlinear optics and optics driven processes in dielectrics, flexoelectricity, polar metals, topological insulators in electric fields, neuromorphic computing elements, 2D ferroelectrics, and more.

The meeting is being run by the non-profit 501(c)3 Center for Materials by Design LLC (CMD). Donations to CMD are welcome, which will be used to help support the meeting activities and travel grants for students and postdocs.

## Organizing Committee

Ronald Cohen  
Extreme Materials Initiative  
Earth and Planets Laboratory  
Carnegie Institution for Science

Laurent Bellaïche  
Dept. Physics  
University of Arkansas

Daniel Bennett  
Harvard University

Cyrus Dreyer  
Stony Brook University and Flatiron Institute

Peter M. Gehring  
NIST Center for Neutron Research, National Institute of  
Standards and Technology

Anna Grünebohm  
Interdisciplinary Centre for Advanced Materials Simulation  
(ICAMS)  
Ruhr-University of Bochum

Jorge Íñiguez  
Institute of Science and Technology & Dept. Physics and  
Materials Science, University of Luxembourg

Guillaume Nataf  
Centre national de la recherche scientifique (CNRS)  
University laboratory GREMAN, France