

ERIES research infrastructure network: how to apply for transnational access grants

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Abstract

ERIES (Engineering Research Infrastructures for European Synergies, <https://eries.eu/>), recently funded by the European Commission with a budget of €11.6M, provides transnational access (TA) to advanced research infrastructures in the fields of structural, seismic, wind and geotechnical engineering. TA comprises access to experimental research facilities to user groups originating from an eligible country other than where the experimental facility is located. User groups can apply to the ERIES project and conduct research free of charge as the costs are covered by the funding received from the European Commission. TA covers the costs of using the experimental facility, the construction of test specimens, and the travel expenses to attend the testing, among others. ERIES permits user groups to advance frontier knowledge and conduct curiosity-driven research toward addressing the identified research goals of the ERIES project. To this end, ERIES offers TA to the best European experimental facilities in each field, along with the provision of key infrastructure in Canada. With 13 partners from 8 countries, ERIES builds an essential element toward reducing losses, managing risk, and overall, a greener and more sustainable engineering future in Europe. This webinar gives an introduction and overview of the ERIES project in order to give ANIV-G members a clearer understanding or how they can apply for funding and may become involved.

Short CV

Gerard J. O'Reilly is an Assistant Professor of Structural Engineering at IUSS Pavia, completing his Bachelor and Master degrees in Civil Engineering in Ireland in 2010 and 2013, with a period as a visiting researcher at the University of California, Berkeley in 2012. He obtained his PhD in Earthquake Engineering and Engineering Seismology from IUSS Pavia in 2016. Primary research interests include the seismic design and assessment of structures to incorporate innovative aspects of performance-based earthquake engineering; the seismic vulnerability of existing structures and ways that different retrofitting measures (both structural and non-structural) may improve their seismic performance. He has also been involved in various European projects, such as BRACED and DiSTEEL funded by the European Commission Research Fund for Coal and Steel and FP7 funding programmes, relating to the shake table testing and design of steel frame structures. He is the principal investigator of the ROSSINI project funded by the National Institute for Insurance against Accidents at Work which looks to develop a risk-based navigation system for industrial plant workers at risk of NaTech events. More recently, he is the coordinator of the €11.6M EU-funded ERIES project which provides transnational access to research infrastructures to conduct research that will advance frontier knowledge related to seismic, wind and geotechnical hazards. He has supervised numerous students at both MSc and PhD levels as part of the Civil Engineering for Mitigation of Risk from Natural Hazards master degree programme and the Understanding and Managing Extremes PhD degree programme jointly offered by the University of Pavia and IUSS Pavia.