



Fallo Concurso

COLLABORATIVE INTERNATIONAL INTERUNIVERSITY RESEARCH, INNOVATION AND DEVELOPMENT PROGRAM (CIIRID)

**Pontificia Universidad Católica de Valparaíso (PUCV) and
Auckland University of Technology (AUT)**

**Convocatoria CIIRID Continuity
Julio 2025**

Nómina de proyectos adjudicados

Investigadores PUCV	Unidad Académica	Investigadores AUT	Tipo
Álvaro López	Escuela Ingeniería Civil	Pouyan Zarzani	Continuidad
Mikhail Lisakov	Instituto de Física	Sergei Gulyaev	Continuidad
Betzabeth Suquillo	Escuela Ingeniería Civil	Sherif Beskhyroun	Continuidad
Matías Valenzuela	Escuela Ingeniería de Construcción y Transporte	Ali GhaffarianHoseini	Continuidad

Project: 1	Conducting a detailed literature review on advanced seismic design technologies aimed at enhancing the resilience of bridges in earthquake-prone regions, such as Chile and New Zealand
Academic(s) PUCV	Alvaro López, Escuela de Ingeniería Civil
Academic(s) AUT	Pouyan Zarzani, Faculty of Design & Creative Technologies
Students included	2 estudiantes de magíster PUCV
Areas	Earthquake-resistant design and bridge/building engineering. Earthquake Engineering and Structural Engineering

Project: 2	RFI testing of potential sites for the cm-wavelength Chilean radio telescope
Academic(s) PUCV	Mikhail Lisakov, Instituto de Física
Academic(s) AUT	Sergei Gulyaev, School of Engineering, Computer and Mathematical Sciences
Students included	2 estudiantes de postgrado PUCV, 2 estudiantes de postgrado AUT
Areas	Extragalactic astrophysics, Very Long Baseline Interferometry. Radio Astronomy

Project: 3	Influence of Multivariable Parameters of Constitutive Models through Machine Learning on the Response of Reinforced Concrete Structural Elements
Academic(s) PUCV	Betzabeth Suquillo, Escuela de Ingeniería Civil
Academic(s) AUT	Sherif Beskhyroun, Department of Built Environment Engineering
Students included	Un estudiante de pregrado Ingeniería Civil y dos estudiantes de Doctorado Industria Inteligente (PUCV). Un estudiante de Doctorado (AUT)
Areas	Structures

Project: 4	Digital Twin, XR and User-Centered BIM for the preservation of historical railway bridges: Focus on Puente Las Cucharas, Valparaíso
Academic(s) PUCV	Matías Valenzuela, Escuela Ingeniería de Construcción y Transporte
Academic(s) AUT	Ali GhaffarianHoseini, Faculty of Design and Creative Technologies
Students included	Un candidato de doctorado (PUCV). Un candidato de doctorado (AUT)
Areas	Bridge Engineering, Road Infrastructure Management, Disaster and Climate Change Management, Optimization Algorithms. Integrated BIM; Virtual Reality (VR); Augmented Reality (AR), Integrated Design Studies