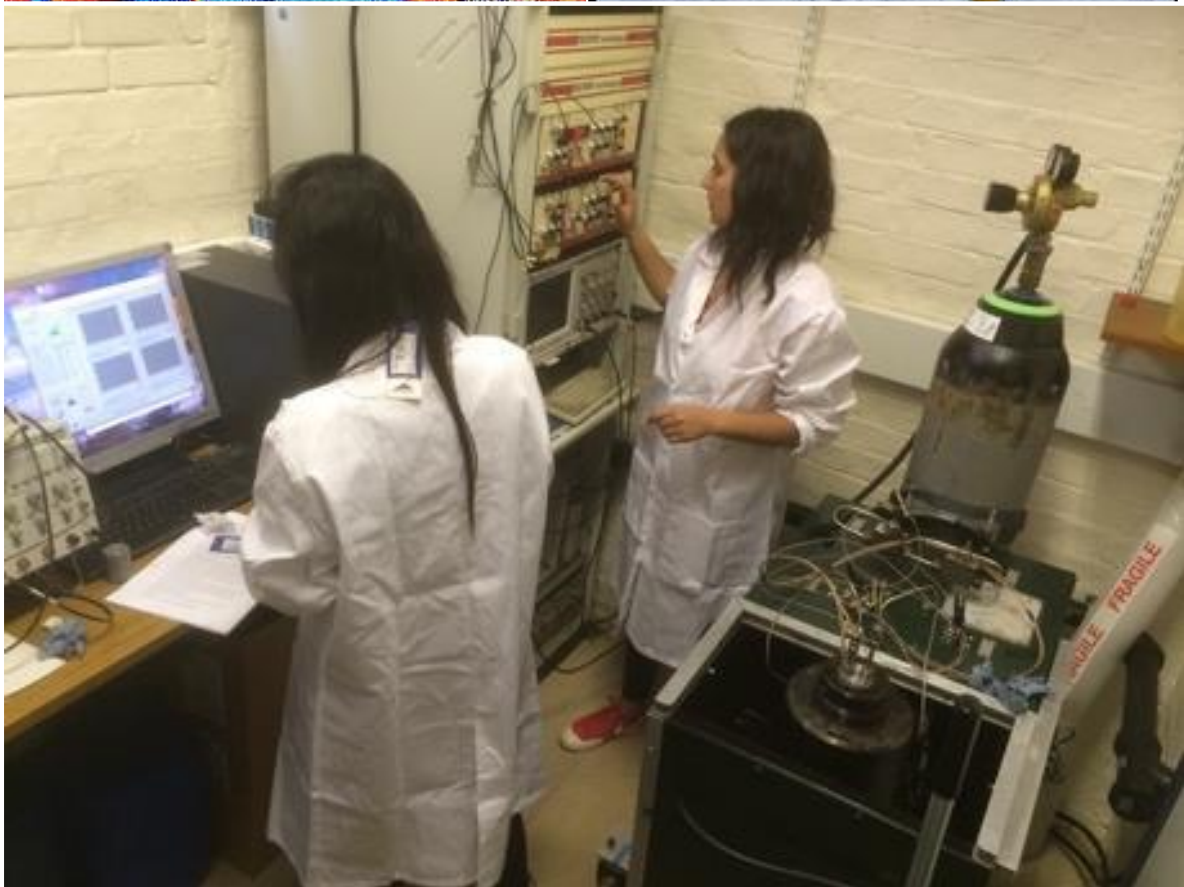


**Resilience II: An Interdisciplinary Workshop on Resilience  
Led by University College London  
and the Pontifical Catholic University of Chile, Santiago:  
Pandemics, Andean Hazards, Interdisciplinarity,  
Education and the Humanities**

**26-27 May 2021  
University College London**



## **Programme: Wednesday 26 May 2021**

### **13.30 – 14.20: Resilience and Pandemics**

Opening session with Professor Deenan Pillay (UCL Pro-Vice-Provost International), Professor Stephen Hart (UCL Pro-Vice-Provost, Latin America) and Professor Juan Carlos de la Llera (PUC Dean for the Faculty of Engineering)

### **Andean Hazards, Resources and Resilience: Postgraduate Student Perspectives from Joint UCL/PUC Research:**

#### **14.30 – 15.50: Part 1**

- Introduction and brief recap of workshop I - Phil Meredith
- Overview of earth science focused UCL–PUC collaborations - Tom Mitchell
- Imaging Andean crustal structures and fluids using MT and seismicity - Rebecca Pearce and Almudena Sánchez
- Combined laboratory and field studies to quantify crustal deformation and fluid flow - Pamela Pérez
- A multi-scale approach to fluid flow through fracture networks: implications for geothermal energy recovery - Ashley Stanton-Young

#### **16.00 – 17.20: Part 2**

- Numerical simulation of seismic wave propagation in the Coastal Cordillera in northern Chile - Tiaren García
- A large-scale landslide in northern Chile and inferences for similar structures on planetary bodies - Guilia Magnarini
- Analysis of systemic vulnerabilities in northern Chile in a climate change and energy transition context - Jonathan Mille
- Session discussion - led by John Browning, José Cembrano, Steve Edwards and Carlos Marquardt

#### **17.30 – 18.00: Wrap up session**

With Professor Stephen Hart (UCL Pro-Vice-Provost, Latin America) and Professor Juan Carlos de la Llera (PUC Dean for the Faculty of Engineering)

## Programme: Thursday 27 May 2021

### 13.30 - 14.50: Interdisciplinary Views of Hazards and Resilience from UCL–PUC collaborations

- Introduction and brief recap of workshop I – Tiziana Rossetto
- Performance of reinforced concrete buildings subjected to sequential earthquake and tsunami loading - Dr Rosita Jünemann
- Data driven forecast of droplet combustion for fire modelling - Xiuqi Xi
- Chronic diseases and their impact on healthcare systems - Magdalena Walbaum Garcia
- Modelling seismic resilience in a metropolitan emergency healthcare network - Dr Paula Aguirre
- Towards equitable seismic risk management: concepts and challenges - Felipe Rivera
- Session questions and discussion – led by José Torero and Juan Carlos de la Llera

### 15.00 - 16.20: Resilience and Education

- Resilience and Education - Dr Amelia Roberts
- Q&A
- A roundtable discussion about the interdisciplinary interplay around resilience and multi-hazards - moderated by Dr Amelia Roberts, Professor Tiziana Rossetto and Jonas Cels
- TBC a short update on the Joint PhD by Professor Tiziana Rossetto

### 16.30 - 17.50: Resilience and the Humanities

- The rhetorical resilience of the Araucanians in Ercilla's *La Araucana* - Stephen M. Hart
- The eternal return to the republican ideal - Nicola Miller
- Resistance and resilience: are we talking about the same thing? - Nicolás Lema Habash
- Reimagining home. Exile and resilience in Latin American film, 1970-1990 - Dr Camila Gatica Mizala
- Earth sciences and resilience: applicability to the concepts and methodologies of the Humanities - José-Manuel Castro Torres

### 18.00 - 18.30: Wrap up session

With Professor Stephen Hart (UCL Pro-Vice-Provost, Latin America) and Professor Juan Carlos de la Llera (PUC Dean for the Faculty of Engineering)