

FALLING WALLS LAB BOLIVIA

Saturday, 29 August 2020
Universidad Católica Boliviana “San Pablo”, La Paz



UNIVERSIDAD
CATÓLICA
BOLIVIANA



DAAD Deutscher Akademischer Austauschdienst
Servicio Alemán de Intercambio Académico

FALLING WALLS LAB

CONCEPT

The Falling Walls Foundation founded the Falling Walls Lab in 2011 in order to

- ... connect aspiring innovators
- ... discover and develop talents
- ... support interdisciplinary dialogue and international cooperation
- ... develop new ways of scientific communication
- ... build new and strong networks

TIMELINE

1 pm	Jury briefing
1:20 pm	Arrival and registration for participants
2 pm	Welcome and introductory remarks
2:15 pm	Presentations (scholar presentations 1-10)
3 pm	Networking break
3:15 pm	Presentations (scholar presentations 11-20)
4 pm	Networking break (scholars) / Evaluation session (jury)
4:40 pm	Award ceremony
5 pm	End

JURY

Oliver Lanner, Chairman of the Jury
German Embassy in Bolivia

Deputy Head of Mission of the German Embassy in La Paz since July 2019. During his 15 years in the Foreign Service, he worked at the German Embassies in Bogotá as Director of Development Cooperation and Buenos Aires as Press Attaché. Further posts at the Federal Foreign Office in Berlin were desk officer for Sudan and Southern Sudan and afterwards for nuclear non-proliferation. He studied Political Science at the Munich School of Political Science as well as Sociology, Social Psychology and Intercultural Communication at the Ludwig-Maximilians-University Munich. His thesis in Sociology dealt with the decentralization process in Bolivia. In 2002/2003 he was a staff member in the country office in Bolivia of the Friedrich-Ebert-Stiftung (FES/ILDIS) in La Paz.

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Dr. Marcelo Ramirez

Universidad Mayor de San Andrés, La Paz

Bachelor in Physics at UMSA. Postgraduate on nuclear safety at the University of Buenos Aires. MSc and PhD at the University of Brussels. Van Buuren Academic Prize. Postdoc at HU Berlin supported by DAAD. Prize for Young Scientists awarded by Third World Academy of Sciences. UMSA's Prize for the best intellectual production. Medal of Merit awarded by the Bolivian Parliament. Member of the UMSA's Scientific Ethics Committee. Editor of the Bolivian Journal of Physics. Associate Editor of Journal of Applied Nonlinear Dynamics. Member of the Editorial Board of Physica Scripta & Frontiers in Physiology. Author of 70 scientific papers. Director of 15 theses.

Dr. Dennis Avilés Irahola

Center for Development Research (ZEF)- University of Bonn

She is an academic on gender and development studies with long previous experience working as consultant in development organization around the world, particularly in Latin America. She was born in Bolivia, where she studied Agricultural Sciences and has a MSc. in Human Ecology from the Free University of Brussels as well as a Ph.D. in Development Studies from Bonn University. She is an Associate Researcher in the Research Network for Latin America of the University of Bonn and is currently a member of the International Center for Women in Bonn (IFZ) and of Women Organizing for Change in Agriculture and NRM (WOCAN). Since January 2019, she works as a Senior Researcher at the Center for Development Research (ZEF) of the University of Bonn.

Bert Wibel

Deutsch-Bolivianische Industrie- und Handelskammer (AHK Bolivia)

Born in Southern Germany, he holds a diploma degree in Economics from the Humboldt University of Berlin with focus on international trade and economic law. Additionally, he is a certified expert in Climate Finance from the Frankfurt School of Finance. Throughout a decade, he has worked in the interface of international cooperation and economic development – forming part of the German Cooperation (GIZ) as well as within the network of German Chambers of Commerce and Industry abroad. He has accompanied project development in the fields of renewable energies, the health sector and vocational training. As part of the jury, he is happy to share his expertise in the promotion of innovation and business development.

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Dr. Amira Apaza

Universidad Mayor de San Andrés, La Paz

Graduated from the Biology Career at the Universidad Mayor de San Andrés (UMSA) in Bolivia. Later, she obtained a master degree in Plant Biology at the Paulista State University "Julio de Mesquita Filho" (UNESP) in Brazil and a doctorate degree in Biological Sciences at the Martin Luther Halle-Wittenberg University in Germany. She has an extensive research experience in phenology, plant-animal interaction, functional diversity, population genetics, fragmentation, and nature conservation. She worked in different research projects in Montane Forests, Cerrado, Amazon Forests and Highlands. Currently, my main line of research is functional diversity and its relationship with the functioning of ecosystems and ecosystem services. Her professional background involves experience on environmental evaluations in Protested Areas, carbon stocks, use of plants in Traditional Medicine, environmental education, among others.

Dr. Humberto Calderón

Universidad Católica Boliviana "San Pablo"

Received an Electrical Engineering degree from the Instituto Tecnológico de Costa Rica in Cartago, a M.Sc. degree in Computer Sciences from Instituto Tecnológico de Costa Rica, in Cartago – Costa Rica and a Ph.D. degree in Computer Engineering from the Delft University of Technology. Dr. Calderon has taught as an Associate Professor of the Electromechanical and Systems Engineering Departments at the Universidad Privada Boliviana in Cochabamba – Bolivia. He was also a visitant scientist at the Computer Engineering Lab of the Delft University of Technology. Furthermore, he worked as a Senior Research Engineer at the Instituto Italiano di Tecnologia (IIT) in Genova, Italy. More recently he worked as a firmware Senior Engineer at the DSI GmbH in Bremen – Germany, a company that develops space applications. He is currently the National Research Coordinator at the Universidad Católica Boliviana "San Pablo".

Claudia Stengel

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Claudia Stengel is an experienced expert in international development work with focus on Latin America. She worked in different projects about governance, conflict management and managed the regional project "Intercultural Indigenous University" strengthening a regional network of indigenous and intercultural universities in Latin America. She studied Social Pedagogics and Social Work in the Catholic University of Applied Science in Berlin and holds a master's degree from the Universidad del Salvador of Buenos Aires. Currently she is working as Head of Administration and Finance of GIZ Bolivia and Paraguay.

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Dr. Thomas Guthmann

Fundación COMPA

Studied Education and Sociology at University Bielefeld and investigated on informal learning of communities of practice in school contexts for his PhD at University Kassel. Core areas of his scientific investigation are communities of practice, relations of bodies and education, education and culture, community organizing, anti-racist education and analysis of power in pedagogical relations. He works currently as consultant at COMPA Foundation in El Alto, Bolivia, developing strategies of intervention to improve education for vulnerable groups.

Franz-Josef Kunz

Goethe Center in Santa Cruz

Studied Romance languages, Musicology and Education. He passed an additional qualification in DaF (German as foreign language) and worked as Lecturer and representative of the DAAD (German Academic Exchange Service) at the Autonomous University of Nuevo León, Mexico. He has been the Head of the Goethe Institute in Guadalajara, Mexico. He works currently as Head of the Goethe Center in Santa Cruz, Bolivia.

Dr. Fernanda Wanderley

Universidad Católica Boliviana “San Pablo”

Fernanda Wanderley is the Director of the Socio-Economic Research Institute at the Universidad Católica Boliviana (IISEC-UCB). She holds a Ph.D. from Columbia University in the city of New York. Her research areas include sustainable development, feminist and care economy, social and solidarity economies, labour market and gender relations. She is author of books and articles on these themes.

Rafael Pfister

Hanns-Seidel-Foundation-Bolivia

As Project Assistant for the Hanns-Seidel-Foundation regional project in Bolivia, Ecuador and Peru, he is country representative for Bolivia since November 2016. In his almost 9 years at HSF, he has previously been involved in the coordination of political education and climate protection projects in West and Central Africa and at the country office in Venezuela. He also spent time at the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety. Rafael Pfister holds a Master in Public Management and Governance for the Zeppelin University Friedrichshafen and a Bachelor in Political Sciences with a minor in Communication Sciences from the University of Regensburg.

PARTICIPANTS

- 1 Marian Ayala Leyton,
BREAKING THE WALL OF
DRINKING WATER ACCESS**
Studied Chemical Engineering at UCB, Cochabamba (2019). She works as a Research Consultant in laboratories: Maxam - Fanexa and at UCB.
- 2 Noelia Mendoza Zenteno,
BREAKING THE WALL OF
INJECTION PAIN**
Studies Biomedical Engineering at UCB, La Paz. Intern TSI Medic (2019) in verification and study of the performance of different medical devices. Member of Alfred Nobel Scientific Society for Biomedical Engineering.
- 3 Anibal Mercado,
BREAKING THE WALL OF
STARTUPS WITH COVID-19**
Commercial engineer. Graduated in 2009 at UPB. Studies Master in Business Intelligence at Dalarna University, Sweden. Responsible for the development of the new retail channel at Western level in Pil Andina S.A. Marketing and Sales Dept. Seed capital winner – Empreendeideas de Soboce.
- 4 Carlos Helsner Menacho Guerra,
BREAKING THE WALL OF
PEOPLE'S FALL ACCIDENTS**
Studied Mechatronics Engineering (Robotics) at UCB, La Paz. 1st place in the National Robotics Competition and 3rd place Mechatronics Engineering at XVI University Science and Technology Fair (2018).
- 5 Licyel Lenny Paulas Condori,
BREAKING THE WALL OF
INEQUALITY IN STEAM
EDUCATION**
Studies Biology at UMSS. Assistant of the Molecular Biology Laboratory. Department of Biology - UMSS. Ad-honorem assistant of the Microbiology Laboratory. Water and Environmental Sanitation Center - UMSS (2019). Advisor, iGEM Bolivia.
- 6 Sergio Cespedes,
BREAKING THE WALL OF
SEXIST VIOLENCE**
Studies Media and Communication Science at UNIVALLE. Director of Univalle Films. Multimedia producer in Montenegro Production Company. He directed audiovisual projects as a communication strategy.
- 7 Claudia Janeth Limachi Nina,
BREAKING THE WALL OF
LITHIUM/MAGNESIUM IN
UYUNI**
Studied Chemical Engineering at UMSA, La Paz (2013) Master of Chemical Engineering at University of Melbourne, Australia (2019), she obtained a full scholarship. She worked in the area of Lithium Extraction (2013 in Bolivia and 2018-19 in Australia. She is currently a researcher at Bolivian Lithium Deposits, Salt Lake of Uyuni, Potosí.
- 8 Jhon Castro,
BREAKING THE WALL OF
EXPENSIVE HOUSES**
Studies an Economic & Business career at UCB, La Paz. Accounting technician at the American Institute (2017) La Paz

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9 Iliana Avalos,
**BREAKING THE WALL OF JOB
INSERTION FOR CREATIVES**
Degree in Political Science,
Costa Rica University (2019).
Master in Design, Direction and
Project Management at the
Miguel de Cervantes European
University / Interamerican
University (2013). Doctorate in
Education with an Emphasis on
Mediation of Social Learning,
Universidad La Salle, La Paz
(2018). She currently works as a
teacher at Universidad La Salle.

10 Marvin Alejandro Arancibia
Taboada,
**BREAKING THE WALL OF
SCIENCE IN PSYCHOLOGY**
Studied Psychology at USFX,
Chuquisaca. Graduated in 2019.
He worked as researcher and
assistant in his area at USFX
and other institutions.

BREAK

11 Milenka Verónica Chávez Merlo,
**BREAKING THE WALL OF
STREET HARASSMENT**
Environmental engineer at UCB.
La Paz (2019). Also studied
Security Management Systems.
Occupational Health Specialist.
She currently works as an Indus-
trial Environmental Engineer at
Pepsi Soft Drinks, El Alto.
Winner of the Green Ideas
Contest at the US Embassy in
Bolivia 2018. Participated in the
V Climate Change Model as a
Singapore Delegate (Hanns
Seidel Foundation 2018).

12 Carol Marina Rodriguez
Villarroel,
**BREAKING THE WALL OF
IRRIGATION WATER QUALITY**
Studies Environmental Engineer-
ing at UCB, Cochabamba. She
obtained a diploma of academic
excellence at UCB (2019).

13 Dr. Victor Hugo Rodriguez
Torrez
**BREAKING THE WALL OF
CADAVERIC CLASSIC
CONSERVATION**
Specialist in Psychopedagogy,
Planning, Evaluation,
Management of Higher Educa-
tion in Health. University of San
Andres Diploma in Forensic
Sciences. Postgraduate Unit,
Universidad Mayor de San
Andrés Expert in Stomatología
forense, Sociedad Forense,
MEXICO D.F. Member of the
International Society for
Plastination, Universidad de la
Frontera TEMUCO,

14 Ramiro Junior Valdez Arancibia,
**BREAKING THE WALL OF
COMMERCE IN PANDEMIC**
Studies System Engineering at
UCB. He participated in several
projects, for example “Smart
Software for Student Schedule
assistance” or “Prototype of a
donation app for most needed”,
among others.

15 Luis Alejandro Romero Soto,
**BREAKING THE WALL OF
PETROCHEMICAL POLYMERS**
Studied Food Engineering at
UMSA (2013). Currently studying
Ph.D., Biotechnology at Lund
University (Netherlands).
Teaching Assistant, Lund
University (2015).

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- 16** Andrea Araujo, **BREAKING THE WALL OF PUBLIC LEARNING SPACES**
Studied Geography and Environmental Engineering at Army Polytechnic School, Ecuador (2009). MSc. in Earth Observation at Catholic University of Leuven, Belgium (2013). PhD in Geo-health, Researcher at University of Twente, Netherlands (2019).
- 17** Diego Alejandro Miranda, **BREAKING THE WALL OF UNDERVALUED BIO-BASED FEEDSTOCK**
Graduated in Chemical Engineering at UMSA (2018). Research assistant at IIDEPROQ/ UMSA at the Biotechnology Lab. Participation as an exhibitor at the XXVII Conference of Young Investigators of the AUGM (2019). Applied biotechnology at the TUDelft (Netherlands) and RWTHAachen (Germany) universities.
- 18** Karen Nagai Rodriguez Requiz, **BREAKING THE WALL OF HOUSEHOLD WASTEWATER TREATMENT**
Degree in Environmental Engineering at UCB. Post-graduate Degree in Wastewater Treatment at UMSS (2020).
- 19** Marko Antonio Carrasco Lundgren, **BREAKING THE WALL OF COLLECTIVE AMNESIA**
Studied Political Science at UMSA (2009). Master of Arts: Peacemaking & Conflict Transformation SIT Graduate Institute USA 2018. Research Assistant in a project at UCLA, California (developed in Bolivia). Social Development Officer (2019) at VReality S.R.L. Project designer (2018) Plurinational Legislative Assembly.
- 20** Erika Pamela Rengel Gallardo, **BREAKING THE WALL OF GREEN ALTRUISM**
Degree in Biology at UMSA (2015), La Paz. Responsible for communication and environmental education, PROBIO project, departmental government of Cochabamba and technical support in the census of vicuñas of CMV Altamachi in the same project.

FALLING WALLS LAB PARTNERS

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FEEDBACK

What is your overall impression of the Falling Walls Lab Bolivia 2020?

What are your concrete suggestions for improvement?

What was most challenging?

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