

**PROGRAM - APRIL 14**

AUDITORIUM ROJO	
Crustal evolution of Archean blocks and Paleoproterozoic orogens. Conveners: Elton Dantas; Enrique Masquelin; Henrique Bruno; Pedro Oyhantcabal	
Pre-Andean and Andean crustal evolution. Conveners: Juan Andrés Dalquist; Mauricio Calderón	
8.30 - 9.00	Rhyacian Revolutions: Magmatic, Metamorphic, and Tectonic Transitions in the Early Proterozoic (Chris Spencer)
9.00 - 9.20	Timing and tectonic evolution of the Rhyacian Mazaruni Greenstone Belt of northern Guyana (Michael Tedeschi et al.)
9.20 - 9.40	Juvenile and crust-derived Archean leucogranites of the Campos Gerais Complex, SW São Francisco Craton: integration of new and published major/trace elements, Nd-Sr isotopes and LA-ICPMS U-Pb data (Claudio Valeriano et al.)
9.40 - 10.00	Timing of eclogite to granulite conditions during the West Gondwana assembly, Northeast Brazil: implications for collisional tectonics (Alanielson Ferreira et al.)
10.00 - 10.20	Neoproterozoic evolution of the northern Amapá Block, southeastern Guiana Shield: insights from geochemistry, U-Pb dating, and Hf-Nd isotopes. (Jean Michel Lafon et al.)
10.20 - 10.40	The Transamazonian orogeny as a binder of Archean blocks in Amazonian Craton. (Moacir Macambira et al.)
10.40 - 11.00	
11.00 - 11.20	
11.30 - 12.30	<b>PLENARY LECTURE : The onset of Plate Tectonics, crust generation and tectonics in the Archean (Dr. CHRIS HAWKESWORTH, University of Bristol)</b>
12.30 - 14.00	<b>LUNCH TIME</b>
14.00 - 14.30	The basement of the Chaco-Pampean Plain: Ediacaran Igneous Complex and a large Middle to Late Cambrian epicontinental sea (Carlos Rapela)
14.30 - 14.50	Timespan of a dynamic magmatic system forming the Permian El Portillo Batholith in an Andean margin flare-up event (Juan A. Dalquist et al.)
14.50 - 15.10	Crustal contamination on magmas from U-Pb and Lu-Hf data on zircons: The Pampean Flat Slab segment (~30°S) (Federico Salgado et al.)
15.10 - 15.30	Interpreting the internal structure of zircon: case studies and application to the Mid- to Late Devonian of NW Patagonia (Mark Fanning et al.)
15.30 - 15.50	Tracing the sources of Devonian detrital zircons in metasedimentary rocks from the eastern Andes Metamorphic Complex (Francisco Hervé et al.)
15.50 - 16.10	Sources of Mississippian detrital zircons in the metasedimentary basement of southern Chile: insights from oxygen isotopes (Paulo Quezada et al.)
16.10 - 16.30	New structural and U/Pb zircon geochronologic constraints on the evolution of the Pre-Andean basement of South Perú (Maryi Rodríguez-Cuevas et al.)
16.30 - 16.50	From plants to sediments to magmas: testing biosphere-arc feedbacks in the southern Andes (Chris Spencer)
17.00 - 18.30	<b>COFFEE BREAK AND POSTER SESSIONS</b>

AUDITORIUM DORADO	
Isotopes in Hydrogeology, Environment and Climate change. Conveners: Marly Babinski; Eleonora Carol	
8.30 - 9.00	Vegetation, Hydrology, and Carbon Isotopes: Long-Term Monitoring Unravels the Controls on Speleothem $\delta^{13}C$ in a Cave from Brazilian Cerrado (Nicolas Strikis et al.)
9.00 - 9.20	Disentangling the effect of precipitation and temperature on speleothem isotope records from eastern Brazil since the Last Glacial Maximum (Francisco Cruz et al.)
9.20 - 9.40	Holocene extreme rainfall events in central Brazil: multiproxy evidence from an inundated cave (Melissa Medina et al.)
9.40 - 10.00	Tracing groundwater inflow in Andean lacustrine systems using RADON-222: the case of Conguillío, Verde, and Quepe lakes (Luciano Muñoz et al.)
10.00 - 10.20	Enhanced rock weathering in tropical mine tailings as a high-integrity and durable carbon dioxide removal strategy (Juan Carlos Silva-Tamayo)
10.20 - 10.40	
10.40 - 11.00	
11.00 - 11.20	
11.30 - 12.30	<b>PLENARY LECTURE (Auditorium Rojo) : The onset of Plate Tectonics, crust generation and tectonics in the Archean (Dr. CHRIS HAWKESWORTH, University of Bristol)</b>
<b>LUNCH TIME</b>	
14.00 - 14.20	Assessing degradation processes of Chlorinated Ethenes in weathered and fractured bedrock aquifer (Luiz Guilherme Fregona et al.)
14.20 - 14.40	Groundwater provenance in Precambrian karstic and fractured aquifers using strontium isotopes and rare earth elements: a case study (Claudio Gaucher et al.)
14.40 - 15.00	Evaporation-driven $\delta^{18}O$ - $\delta^2H$ enrichment and localized $^{222}Rn$ anomalies reveal coupled processes in the Varjão wetland over the Guarani Aquifer (SE Brazil) (Albert Cardoso et al.)
15.00 - 15.20	Insights from the spatial variability of isotopic signatures in the Guarani Aquifer System (Roberto Kirchheim et al.)
15.20 - 16.00	A preliminary isotopic assessment of groundwater surrounding a protected wetland: a first step towards understanding the interactions between surface and groundwater (Isadora Kuhn et al.)
16.00 - 16.20	Environmental isotopes as tools for groundwater flow compartmentalization and management in the Verde Grande Basin, São Francisco tributary, Brazil (M. Antonieta Mourão et al.)
16.20 - 16.40	Soil aquifer treatment as a natural attenuation mechanism for nitrate removal: isotopic evidence from an irrigated system. (Vinicius R. de Oliveira et al.)
<b>COFFEE BREAK AND POSTER SESSION</b>	