

## DAY APRIL 14

### POSTERS: ARCHEAN BLOCKS AND PALEOPROTEROZOIC OROGENS

1 - U–Pb ZIRCON GEOCHRONOLOGY OF MAFIC MAGMATISM FROM THE DOM FELICIANO BELT BASEMENT: A STATHERIAN TAPHROGENIC RECORD IN SOUTHERN BRAZIL (Stephanie Carvalho et al.)

2 - GEOCHEMICAL AND PETROGRAPHIC CHARACTERIZATION OF THE ORTHOGNEISSES OF THE CAMPOS GERAIS COMPLEX. (Yan Considera et al.)

3 - NEW U-PB AND LU-HF AGES OF GRANITIC ROCKS OF THE RIBEIRA BELT IN CARANGOLA REGION, MINAS GERAIS, BRAZIL: SOURCE CONSTRAINTS FOR THE PALEOPROTEROZOIC ROCKS. (Mikaele Dias de Araújo et al.)

4 - TIMING OF GRANULITE-FACIES METAMORPHISM IN THE SUTURE ZONE OF THE MINAS-BAHIA OROGEN (SE-BRAZIL): ZIRCON U-Pb GEOCHRONOLOGY AND Nd ISOTOPIC EVIDENCE FOR EARLY OROSIRIAN COLLISION. (Lauren Fonseca et al.)

5 - TRACING THE LOMAGUNDI-JATULI ISOTOPIC EXCUSION IN THE RIO DE LA PLATA CRATON: NEW EVIDENCE FROM PUNTA TOTA MARBLE (TANDILIA SYSTEM, ARGENTINA). (Maria Lajoinie et al.)

6 - ISOTOPIC CONSTRAINTS ON HADEAN PROCESSES IN THE SÃO FRANCISCO CRATON, NE BRAZIL. (Felipe Leitzke et al.)

7 - EARLY CRUSTAL REWORKING AND TONALITIC MAGMATISM DURING THE RHYACIAN EVOLUTION OF THE TANDILIA BELT BASEMENT: INSIGHTS OF THE SAN MIGUEL AREA (BUENOS AIRES, ARGENTINA). (Belén Marone et al.)

8 - DETRITAL MONAZITE U–PB GEOCHRONOLOGY FROM MAJOR RIVER SYSTEMS IN EASTERN BRAZIL AND ITS INSIGHTS INTO THE CRUSTAL EVOLUTION OF THE ARAÇUAÍ–RIBEIRA AND MINAS–BAHIA OROGENIC SYSTEMS. (Guilherme Ribeiro et al.)

9 - GEOCHEMISTRY AND SR-ND ISOTOPES OF THE RADO PANTHEON ORTHOGNEIS AND AMPHIBOLITE, ARCHEAN PAVAS BLOCK, TREINTA Y TRES – URUGUAY. (Enrique Masquelin & Yedinet Cortés)

10 - INSIGHTS INTO THE PALEOPROTEROZOIC EVOLUTION OF THE SÃO FRANCISCO PALEOCONTINENT FROM DETRITAL ZIRCON U–PB AGES IN MODERN RIVER SEDIMENTS. (Bento Ribeiro et al.)

11 - U–PB GEOCHRONOLOGICAL CONSTRAINTS ON THE BOUNDARY BETWEEN THE CEARÁ CENTRAL AND MÉDIO COREAÚ DOMAINS, NORTHERN BORBOREMA PROVINCE. (Antonio Braga et al.)

12 - U–Pb TITANITE CONSTRAINTS ON PALEOPROTEROZOIC MAGMATISM AND METAMORPHISM IN THE RIO URUBU BELT, GUIANA SHIELD – BRAZIL. (Mayara Teixeira et al.)

13 - U-PB GEOCHRONOLOGICAL CONSTRAINTS AT THE BOUNDARY BETWEEN THE CENTRAL CEARÁ AND MÉDIO COREAÚ DOMAINS, NORTHERN BORBOREMA PROVINCE. (Antonio Braga et al.)

14 - CONTRASTING ZIRCON Hf ISOTOPE SIGNATURES IN THE RÍO DE LA PLATA CRATON: JUVENILE ACCRETION VERSUS CRUSTAL REWORKING. (Elena Peel et al.)

15 - PALEOPROTEROZOIC MANGANESE DEPOSITION IN HIGH-GRADE METASEDIMENTARY TERRANES OF BRAZIL. (Wagner Amaral et al.)

16 - CHEANU-PB AND SM-ND DATA CONSTRAINS FOR THE NEOAR VOLCANISM OF THE CARAJÁS MINERAL PROVINCE. (Ana Paula Justo et al.)

17 - TECTONOTHERMAL INFLUENCE ON THE U-Pb ISOTOPIC SYSTEM OF TITANITE AND APATITE DURING THE PALEOPROTEROZOIC IN THE CARAJÁS PROVINCE. (Marco Aurelio Marques et al.)

18 - REVISITING THE TECTONIC EVOLUTION OF THE NICO PÉREZ TERRANE (URUGUAY) BASED ON NOVEL ISOTOPIC DATA AND EVIDENCE FROM CRYOGENIAN HIGH-GRADE METAMORPHISM. (Hernán Silva et al.)

19 - MESOARCHEAN MAGMATISM OF THE AMAPÁ BLOCK, SOUTHEASTERN GUIANA SHIELD, BRAZIL: GEOCHEMISTRY, ZIRCON U-Pb-Hf GEOCHRONOLOGY AND TECTONIC IMPLICATIONS. (Luisa Dias Barros et al.)

20 - ISOTOPIC CONSTRAINTS ON PALEOARCHEAN–PALEOPROTEROZOIC CRUSTAL EVOLUTION AND GRANULITE METAMORPHISM IN THE BACAJÁ DOMAIN, AMAZONIAN CRATON. (Arthur Neri et al.)

21 - PROLONGED PALEOPROTEROZOIC OROGENIC REWORKING OF ARCHEAN SANUKITIDS IN THE BACAJÁ DOMAIN, AMAZONIAN CRATON. (Arthur Neri et al.)

22 - LATE RHYACIAN HIGH-GRADE METAMORPHISM IN THE CENTRAL REGION OF AMAPÁ, NORTHERN BRAZIL: GEOCHEMICAL AND GEOCHRONOLOGICAL CONSTRAINTS FROM MAFIC ROCKS. (Joao Marinho Milhomem Neto et al.)

23 - LITHOSTRATIGRAPHY, STRUCTURE AND SHRIMP U-PB ZIRCON GEOCHRONOLOGY OF THE NAMIBE REGION (SOUTHWESTERN ANGOLA): A FRAGMENT OF THE SOUTHWESTERN CONGO SHIELD DEFORMED DURING THE EBURNEAN OROGENY. (Javier Escuder et al.)

## **POSTERS: PRE-ANDEAN AND ANDEAN CRUSTAL EVOLUTION**

25 - COMPARISON BETWEEN THE U-Pb LA-ICPMS ZIRCON AGE FROM A TUFF LAYER AND THE BIOSTRATIGRAPHIC AGE OF THE ASSOCIATED ORDOVICIAN ROCKS IN THE WESTERN PUNA, JUJUY, ARGENTINA: STRENGTHS AND LIMITATIONS. (Pamela Aparicio Gonzalez et al.)

26 - LATE PALAEOZOIC METASEDIMENTS OF THE SW GONDWANA MARGIN: NEW U-PB DETRITAL ZIRCON AGES FROM THE SUBSURFACE BASEMENT OF THE AUSTRAL-MAGALLANES BASIN, TIERRA DEL FUEGO. (Hernán de la Cal et al.)

27 - COMPARISON BETWEEN THE U-Pb LA-ICPMS ZIRCON AGE FROM A TUFF LAYER AND THE BIOSTRATIGRAPHIC AGE OF THE ASSOCIATED ORDOVICIAN ROCKS IN THE WESTERN PUNA,

JUJUY, ARGENTINA: STRENGTHS AND LIMITATIONS. (Gilmará Santos da Cruz et al., presenta Dalquist)

28 - CONSTRAINING DEVONIAN MAGMATISM THROUGH ZIRCON GEOCHRONOLOGY OF THE CARRIZALITO BATHOLITH AND ITS HOST ROCKS (LAGUNITAS FORMATION) (Gabriela Gonzalez Liedke et al.)

## **POSTERS: HYDROGEOLOGY, ENVIRONMENT AND CLIMATE CHANGE**

29 - ISOTOPIC SIGNATURES OF NEODYMIUM AND STRONTIUM IN ATMOSPHERIC PARTICULATE MATTER (PM<sub>10</sub>) FROM DISTRITO FEDERAL, CENTRAL BRAZIL. (Poliana Dutra et al.)

30 - NEW STABLE ISOTOPE DATA ( $\delta^{18}\text{O}$  AND  $\delta^2\text{H}$ ) FROM SELECTED LOW-ENTHALPY GROUNDWATER AQUIFER WELLS IN SOUTHERN SAN JUAN PROVINCE, ARGENTINA. (Maximiliano Espósito et al.)

31 - SOIL-DERIVED RADON AND NATURAL RADIONUCLIDES IN EASTERN URUGUAY: ISOTOPIC ASSESSMENT OF ENVIRONMENTAL EXPOSURE. (Rodolfo Reboulaz et al.)

32 - GEOCHEMICAL PARTITIONING OF SR AND ND IN AMAZONIAN DARK EARTHS: COUPLING SEQUENTIAL EXTRACTION WITH ISOTOPIC SIGNATURES TO TRACE GEOGENIC AND ANTHROPOGENIC ORIGINS. (Paloma Rego et al.)

33 - REGIONAL CLIMATE FORCING OF CHANGES IN FLUVIAL DYNAMICS IN THE CENTRAL AMAZON INFERRED FROM LEAF-WAX ISOTOPES. (Lara Silva et al.)

34 - ZINC ISOTOPES AS TRACERS OF SHRIMP POND INFLUENCE ON MANGROVE SEDIMENTS IN TODOS OS SANTOS BAY, NORTHEASTERN BRAZIL: PRELIMINARY RESULTS. (Sara Boaventura)