

DAY APRIL 16

POSTERS: MESO- AND NEOPROTEROZOIC CRUSTAL EVOLUTION

01 – NEW SHRIMP U-PB ZIRCON AGES OF ORTHOGNEISSES AND GRANITES FROM EXTREME NW OF RONDÔNIA, SW AMAZONIAN CRATON, BRAZIL (Washington Barbosa Leite et al.)

02 – TIMING OF STRIKE-SLIP SHEARING FROM U-PB DATING OF SYNKINEMATIC MELTS AND PLUTONS: IMPLICATIONS FOR THE NEOPROTEROZOIC CRUSTAL EVOLUTION OF THE BORBOREMA PROVINCE (NE BRAZIL) (Sergio Neves)

03 – THE NOVA MAMORÉ COMPLEX SEDIMENTARY PROTOLITHS (1480-1370 MA) AND RIO BRANCO HILL SEDIMENTARY SEQUENCE (1480-1440 MA), SW AMAZONIAN CRATON: WERE THEY DEPOSITED IN THE SAME INTRACONTINENTAL RIFT BASIN SETTING? (Bruno Payolla et al.)

04 – DETRITAL AGES IN THE OLDEST METASEDIMENTARY BASEMENT IN THE SANTANDER MASSIF–COLOMBIAN ANDES (Mauro Geraldes et al.)

05 – CRUSTAL EVOLUTION OF THE ARAÇUAÍ-RIBEIRA OROGENIC SYSTEM (AROS) REVEALED BY U-PB AND LU-HF SYSTEMATICS OF INHERITED ZIRCON CRYSTALS FROM MAFIC DYKE SWARMS. (Raissa Santiago et al.)

06 – U–PB ZIRCON GEOCHRONOLOGY OF THE PASSOS NAPPE, SOUTHERN BRASÍLIA BELT: EVIDENCE FOR AN EOARCHEAN BASEMENT INLIER. (Elis Miguele Sá & Claudia Passarelli)

07 – POLYMETAMORPHISM IN THE CENTRAL RIBEIRA BELT, SE BRAZIL: NEW CONSTRAINTS ON THE P–T–D EVOLUTION OF THE OUTER MAGMATIC ARC SYSTEM AND CABO FRIO TERRANE FROM PHASE EQUILIBRIA MODELLING AND MONAZITE–TITANITE GEOCHRONOLOGY. (Natalia Freitas et al.)

08 – SEDIMENT PATHWAYS IN AN ANCIENT COLLISIONAL OROGEN: A PALEOGEOMORPHOLOGICAL MODEL FOR THE SOUTHERN RIBEIRA BELT. (Larissa Santos et al.)

09 – GOIÁS MAGMATIC ARC: ARE THE SANCLERLÂNDIA AND RIBEIRÃO SANTO ANTÔNIO GNEISSES THE SAME UNIT? (Matheus Melo et al.)

10 - FROM THE TONIAN TO THE EDIACARAN: SEDIMENTARY PROVENANCE AND RECONSTRUCTION OF THE EXTERNAL MAGMATIC ARC SYSTEM (OMAS) IN THE RIBEIRA OROGEN, SOUTHEASTERN BRAZIL. (Caroline Peixoto et al.)

11 – TERRANE COLLAGE IN THE CENTRAL BORBOREMA PROVINCE, WEST GONDWANA DEDUCED BY ISOTOPIC AND GEOPHYSICAL DATA. (Lauro Santos et al.)

12 – LITHIUM ISOTOPIC ($\delta^7\text{Li}$) SIGNATURE OF UHP RETROGRADE ECLOGITES FROM BORBOREMA PROVINCE, NORTHEASTERN BRAZIL. (Jeandro Vitorio et al.)

13 – PRE- AND SYN-OROGENIC SEDIMENTATION AND VOLCANIC ACTIVITY IN THE INTERNAL DOMAIN OF THE SOUTHERN KAOKO–DOM FELICIANO– GARIEP OROGENIC SYSTEM (Jiri Konapasek et al.)

14 – POLYPHASIC MAGMATISM AND HIGH-GRADE DEFORMATION IN THE SOUTHERN RIBEIRA OROGEN: INSIGHTS FROM THE CAMA DE ANCHIETA COASTAL OUTCROP (Claudia Passarelli & Miguel Basei)

15 – DECIPHERING THE CRUSTAL GROWTH AND REWORKING HISTORY OF WESTERN GONDWANA: THE U-PB AND LU-HF RECORD FROM THE SOUTHERN BORBOREMA PROVINCE (NE BRAZIL) (Fabio Pereira et al.)

16 – RETROGRADE ECLOGITES OF THE NORTHEAST BRAZIL: IMPLICATION FOR THE ASSEMBLY OF WESTERN GONDWANA. (Ticiano Saraiva Santos et al.)

17 – U–PB DETRITAL ZIRCON AGES FROM THE SUNSÁS GROUP IN BOLIVIA: IMPLICATIONS FOR EVOLUTION OF SW OF AMAZONIAN CRATON. (Amarildo Ruiz et al.)

18 – A REVIEW OF NEOPROTEROZOIC PAN-AFRICAN MAGMATISM IN THE PARANAGUÁ TERRANE (RIBEIRA BELT, SOUTHERN BRAZIL) AND THE KAOKO BELT (NORTHWESTERN NAMIBIA) (Luiz Felipe da Costa et al.)

19 – GEOCHEMISTRY AND GEOCHRONOLOGY OF THE ACARAÍ DIATEXITE: INSIGHTS INTO HIGH-GRADE CRUSTAL MELTING IN THE SOUTHERN PARANAGUÁ TERRANE. (Leonardo Fadel Cury et al.)

20 – CHARACTERIZING THE NEOPROTEROZOIC MAGMATIC RESERVOIR BETWEEN THE SARANDÍ DEL YÍ AND SIERRA BALLENA SHEAR ZONES, URUGUAY: A REGIONAL SR-ND ISOTOPIC APPROACH. (Santiago Fort et al.)

21 – NEW ZIRCON U-PB AGES AND HF ISOTOPE SIGNATURES FOR THE WESTERN CAÇAPAVA SHEAR ZONE (Matheus Simoes et al.)

22 – ON THE ORIGIN OF ARROIO MUDADOR FORMATION PILLOW LAVAS, CAÇAPAVA DO SUL - RS, BRAZIL: REVIEW OF PREVIOUS ISOTOPIC ANALYSIS AND NEW SR-ND DATA. (Giusseppe de Toni et al.)

23 – TIMING OF WHITE MICA GROWTH IN CRUSTAL-SCALE SHEAR ZONES IN THE NORTHERN CUCHILLA DIONISIO TERRANE, URUGUAY: EVIDENCE FROM AR-AR GEOCHRONOLOGY. (Thomas Will et al.)

24 - NEW U-PB AGES CONSTRAINTS AND LU-HF ISOTOPE DATA ON THE EVOLUTION OF THE SARANDÍ DEL YÍ SHEAR ZONE, URUGUAY. (Bruno Osta et al.)

POSTERS: NEW FRONTIERS

25 – GEOCHEMICAL AND ISOTOPIC EVOLUTION OF SUPERCRITICAL CO₂-BASALT REACTIONS: IMPLICATIONS FOR CARBON STORAGE IN SOUTHERN CHILEAN PATAGONIA (CAROLINA HENRIQUEZ ET AL.)

26 – LIMESTONES FROM THE JANDAÍRA AND CRATO FORMATIONS (NE BRAZIL) AS POTENTIALS CANDIDATES FOR $\delta^{13}\text{C}$, $\delta^{18}\text{O}$ AND $^{87}\text{Sr}/^{86}\text{Sr}$ CERTIFIED REFERENCE MATERIALS (CRM). (ANDERSON MARASCHIN ET AL.)

27 – U–Pb apatite dating by LA-ICP-MS: implementation at CPGeo-IGc-USP, standard development, and insights from the Ribeira Belt. (Piniesky et al.)

28 – Method validation for the determination of hydrogen isotope ratio in light hydrocarbons (C1-C3) according to ISO/IEC 17025. (Naira Poerner Rodrigues et al.)

29 – LITHIUM IS A POTENTIAL TRANSITION ENERGY SOURCE IN THE NEXT FEW YEARS: FIRST ^7Li ANALYZED IN THE LEPIDOLITE BY SHRIMP AT GEOLAB-IG-USP, BRAZIL. (Kei Sato et al.)

30 – A NEW BASALTIC CERTIFIED REFERENCE MATERIAL FOR ANALYTICAL QUALITY ASSURANCE OF $^{87}\text{Sr}/^{86}\text{Sr}$ ISOTOPIC ANALYSIS IN SOLUTION. (Déborah Coelho de Andrade et al.)

31 – Improved zircon separation workflow for enhancing the efficiency in provenance studies. (Camila Zunino et al.)

32 – Method development for Sr isotopes determination in soybean: prospects for geochemical tracers in agriculture. (Artur Moraes et al.)

33 – CHARACTERIZING WINE TERROIRS IN SOUTHERN BRAZIL THROUGH MULTI-PROXY ISOTOPIC AND GEOCHEMICAL TRACERS. (Julia Correa et al.)

POSTERS: LOW TEMPERATURE GEOCHRONOLOGY

34 – REASSESSING EXHUMATION MECHANISMS OF EARLY ANDEAN GROWTH: INSIGHTS FROM LOW-TEMPERATURE THERMOCHRONOLOGY AND TECTONO-STRATIGRAPHIC ANALYSIS ALONG THE MEJILLONES PENINSULA AND COASTAL CORDILLERA, NORTHERN CHILE. (Renato Cisternas et al.)

35 – STANDARDLESS LA-ICP-MS FISSION-TRACK DATING AND THE COMPARISON WITH LA-IC-MS Z-CALIBRATION. (Cleber Soares et al.)

36 – AGE OF THE TOPOGRAPHY IN THE SOUTHEASTERN BRAZILIAN ATLANTIC MARGIN: APATITE (U-Th)/He THERMOCHRONOLOGY IN THE SERRA DOS ORGÃOS, RIO DE JANEIRO (Samuel Lima et al.)

37 -LOW TEMPERATURE THERMOCHRONOLOGY AND REE GEOCHEMISTRY IN DETRITAL APATITE: INSIGHTS FROM THE EOCENE FORELAND BASIN AT 28°S AND THE GEOMETRY OF THE INCAIC OROGEN, NW ARGENTINA. (Sara Thomas)

38 - TIMING OF BRITTLE-DUCTILE DEFORMATION IN THE EDIACARAN ITAJAÍ BASIN (DOM FELICIANO BELT), SOUTH BRAZIL: INSIGHTS FROM K-AR AND IN-SITU RB-SR GEOCHRONOLOGY. (Rafael Moretti A. Vieira et al.)