

Roberto Turibio E. K. Martins

Guarulhos, SP – Brazil

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Education

University of São Paulo

M.Sc. Physics

GPA: -

São Paulo, Brazil

2026 – present

Federal Institute of São Paulo

B.Sc. Physics (Teaching physics)

GPA: 8.24

São Paulo, Brazil

2021 – 2025

Certification

Electronics Technician (Auxiliary)

Escola SENAI "Anchieta"

Workload: 80h

São Paulo, Brazil

2024

Scientific and writing communication

American Chemical Society

Workload: 4h

Online

2023

Experience

University of São Paulo (USP)

Master's Research Fellow

Grant: FAPESP (#2025/26960-8)

Project title: Study of Phototransfer and Thermally Assisted Mechanisms in Potassium Feldspars (KAlSi₃O₈)

Advisor: PhD Neilo M. Trindade

São Paulo, Brazil

Mar. 2026 - Feb. 2028

Technical University of Denmark (DTU)

Internship Scholarship Abroad

Grant: FAPESP-BEPE (#2024/00890-0)

Project title: Time-Resolved Optically Stimulated Luminescence of amazonite

Advisor/Supervisor: PhD Neilo M. Trindade/PhD Mayank Jain

Røskilde, Denmark

Apr. 1-30, 2024

University of São Paulo (USP)

Undergraduate Research Scholarship

Grant: FAPESP-IC (#2022/07200-4)

Project title: Optical and thermoluminescence properties in brazilian amazonite

Advisor: PhD Neilo M. Trindade

São Paulo, Brazil

Sep. 2022 - Dec. 2025

Federal Institute of São Paulo (IFSP)

Undergraduate Research Scholar

Grant: PIBIC n° 119/2021

Project title: Investigation of the thermoluminescence of minerals from the southern region of Minas Gerais, Brazil

Advisor: PhD Neilo M. Trindade

São Paulo, Brazil

Sep. 2021 – Aug. 2022

Technical Skills

Idiom: Portuguese (Native), English (C1), Spanish (B1)

Languages: Python, R, C/C++, LabView

Softwares: X'Pert Highscore Plus, VESTA

Techniques: X-Ray Diffraction, X-Ray Fluorescence, Fourier Transform Infrared Spectroscopy, Raman Spectroscopy, UV-Vis optical absorption, Thermally and Optically Stimulated Luminescence

Publications

- Peer-reviewed publications: 3
- Google Scholar: H-index (1), citations (15)

Awards

- XXI B-MRS Meeting 2023: Bernhard Gross award by Brazilian Society Material's Science (SBPMat)
- AM-BSF 2023: Honorable mention of a best poster presentation by Brazilian Physics Society (SBF) of 'Growth and Characterization of Oxides and Minerals' thematic area

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