

# Roberto Turibio E. K. Martins

Guarulhos, SP – Brazil

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## Education

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### 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

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### Electronics Technician (Auxiliary)

*Escola SENAI "Anchieta"*

Workload: 80h

São Paulo, Brazil

2024

### Scientific and writing communication

*American Chemical Society*

Workload: 4h

Online

2023

## Experience

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### 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 (KAlSi<sub>3</sub>O<sub>8</sub>)

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

Roskilde, 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 nº 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

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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

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

## Awards

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- 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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