

# Christos Saragiotis

Seismic acoustic officer at Comprehensive Nuclear-Test-Ban Treaty Organization - CTBTO

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## Summary

N/A

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## Experience

Seismic acoustic officer

March 2018 - Present

Free-lance computer programmer & Residential Math tutor

October 2016 - Present

Research geophysicist at Saudi Aramco / EXPEC ARC

August 2013 - September 2016 (3 years 2 months)

Postdoctoral researcher at KAUST

September 2009 - July 2013 (3 years 11 months)

My research topics included automatic first-break picking, multiples attenuation and compressive sensing applied on the calculation of the inverse data space (IDS) and first-arrival tomographic inversion using multiple first-break picks. I was also involved in small project proposals and management.

I was involved in teaching graduate courses (“Seismic exploration”, “Seismic imaging” and “Mathematical methods for seismic imaging”) in particular where signal processing or Fourier-transform methods were involved. Finally I gave a number of seminars on scientific typesetting using LaTeX.

Researcher

August 2007 - August 2009 (2 years 1 month)

I conducted research on enhancement of land-seismic records by signal processing, including deterministic and adaptive filtering, t-f representations of signals, missing data reconstruction with spectral methods and spectral estimation.

Visiting lecturer at University of Western Macedonia

February 2007 - August 2007 (7 months)

Visiting lecturer at University of Macedonia

October 2006 - August 2007 (11 months)

I taught the lab of the courses:

- “Digital systems and applications” (1 semester)
- “Microprocessors & microcomputers” (1 semester)

#### Visiting lecturer

October 2005 - July 2007 (1 year 10 months)

I taught the courses

- “Information theory” (1 semester),
- “Linear programming and optimization”, including lab (4 semesters),
- “Calculus and linear algebra with MATLAB”, lab only (2 semesters),
- “Numerical analysis”, lab only (2 semesters).

I also supervised three final projects

#### Visiting lecturer at Technological Educational Institute of Thessaloniki

October 2005 - July 2007 (1 year 10 months)

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## Education

Aristoteleion Panepistimion Thessalonikis

Bachelor’s Degree, Mathematics, 2000 - 2007

Aristotle University of Thessaloniki (AUTH)

PhD, Electrical and Computer Eng., 1998 - 2005

Aristoteleion Panepistimion Thessalonikis

Diploma, Electrical Eng., 1992 - 1997

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[Contact Christos on LinkedIn](#)