

# Dr. Simon Fiorucci

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25 Leedham Street, Attleboro, MA 02703

Operations and project manager with 10 years of experience in particle physics. Led LUX dark matter experiment operations from design phase to now. LUX is a team of 100 scientists from 15 institutions which leads the race in a very competitive field since 2013.

## Skills

- Physics
  - Expert on dark matter phenomenology and detector technologies incl. semiconductors, noble gases, cryogenics, photo-detectors, radioactivity, cleanliness
  - Scientific simulation codes and geometries
  - Data processing and analysis, incl. cluster computing
  - Technical writing and editing
- Project Management
  - Project planning, schedules, budgeting, incl. professional tools e.g. MS Project
  - Personnel management, sub-groups coordination and delegation, shifts organization
  - High-level reports, short and long-term outlook, risk analysis
  - Meeting and phone calls organization, online coordination with e.g. wikis, slack
  - Infrastructure planning and commissioning
- Communication
  - Extensive outreach and teaching/tutoring experience
  - Media communication experience
  - Bilingual English / French

## Current situation

- Assistant Research Professor, Brown University, LUX and LZ projects (US)
  - LUX: Commissioning director, then science coordination manager
  - LZ: Simulations coordinator, subsystem L3 manager (veto PMTs)
  - Member of LUX executive council and LZ technical board

## Previous Experience

- 2011 – 2014 Senior Research Associate, Brown University, LUX and LZ projects (US)
- 2007 – 2010 Post-doctoral fellow, Brown University, LUX project (US)
- 2005 – 2007 Post-doctoral fellow, Brown University, XENON10 project (Italy)
- 2002 – 2005 Graduate student, CEA-Saclay, EDELWEISS project (France)
- 2001 Intern, SAGEM-REOSC, LIBRIS satellite project (France)

## Education

- 2005 Ph.D. in Physics, University Paris-XI Orsay and CEA-Saclay (France)
- 2002 Engineering degree, Applied Physics major, Ecole Centrale de Lyon (France)

For more details on scientific work, publications and related information: [www.simonfiorucci.com](http://www.simonfiorucci.com)