

2019 Bronstein Prize in Loop Quantum Gravity

During the celebration of 25 years of Loop Quantum Gravity at Madrid, a new prize for post-doctoral scholars in Loop Quantum gravity was created. It is named after *Matvei Petrovich Bronstein*, who was the first to emphasize that quantum gravity requires a deep revision of classical space-time concepts. He wrote his Ph.D. thesis on Quantization of Gravitational Waves in 1935. He clearly understood the limitation of applying the Bohr-Rosenfeld QED measurement analysis to gravity. He derived the quantum analog of Einstein's quadrupole formula but emphasized the need to go beyond linearized gravity. He was considered by many as the brightest of the young Soviet physicists in the mid-1930's. He was arrested on trumped-up charges in 1937 and executed in 1938. An account appears in <http://www.chukfamily.ru/Lidia/Biblio/House.htm>

Nominations for the 2019 Bronstein Prize are invited. The nominee should hold a (non-faculty) post-doctoral position at the time of the nomination deadline. The primary criterion will be high quality of scientific results in loop quantum gravity, interpreted in the broadest sense, creativity and originality, and the significance of results to the field as a whole.

The nomination packet should consist of a *bundled* PDF file containing:

- i) A ~1 page nomination letter summarizing the specific achievements to date of the nominee;
- ii) A complete CV and a publication list of the nominee;
- iii) 2 letters of support from experts emphasizing the broad significance of all research contributions to date of the nominee; and,
- iv) A proposed citation.

Self-nominations will not be considered. The entire packet should be bundled into a single PDF file and e-mailed to Ms. Randi Neshteruk (rxh1[AT][psu.edu](mailto:rxh1@psu.edu)) by Thursday, January 30th 2019.

The prize consisting of a certificate and a monetary reward will be presented during the Loops 2019 conference, which will be held at Penn State from June 17th to 21st, 2019.