

p-Adic Numbers, Ultrametric Analysis, and Applications: CIMPA-CIMAT Research School

The school will take place from **May 22nd- May 31st**, in the [CIMAT](#), Guanajuato, Mexico. The school is intended to be a **hybrid event**, with a small number of participants (about 25) in Guanajuato. If there is a sanitary emergency, the event will be fully online. There is funding for supporting students from developing countries (including students from Mexico). The registration is available at <https://www.cimpa.info/en/node/6486>.

The school aims to introduce graduate students and young researchers to the recent connections between p-adic analysis (understood in a large sense) with mathematical physics and computer science. The courses will be focused on active research areas. The courses include: (1) introduction to p-adic analysis; (2) introduction to local zeta functions; (3) p-adic models in quantum physics; (4) the p-adic theory of automata and its applications; (5) p-adic electrostatics; (6) String amplitudes, local zeta functions, and log-Coulomb gases. Besides lectures, we are also planning sessions devoted to solving exercises and informal meetings to propose and discuss research problems. For further details, please visit <https://www.math.cinvestav.mx/p-adic2020/home>.

There is a limited funding to support graduate students from UTRGV. For further information, please, contact Prof. W. A. Zuniga-Galindo Wilson.zunigagalindo@utrgv.edu

