



THE WORLDWIDE CENTER OF MATHEMATICS

On the fundamental groups of complex algebraic varieties



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Coffee, tea, cookies: 3:30pm

Talk: 4-5pm

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Abstract: The fundamental groups of smooth varieties satisfy a lot of very deep properties, while those of arbitrary irreducible, projective varieties tend to be arbitrary finitely presented groups. First we survey these two extreme cases by recalling results due to D. Arapura, M. Kapovich, J. Kollár, J. Morgan, S. Papadima, C. Simpson, and A. Suciú. Then we focus on the fundamental groups of normal varieties, discuss some new results, and state some open problems.
