

1014-97-1037 **Robert Eugene Megginson*** (meggin@umich.edu), LS&A Dean's Office, 6530 Haven Hall, Ann Arbor, MI 48109-1045. *Attracting more minority students into the Mathematical Sciences through undergraduate research experiences: Why and How?*

This talk will focus on the role of undergraduate research experiences in attracting more students from under-represented minority groups into graduate-level mathematics, with some examples of programs that have been documentably successful in doing so and represent replicable models. As a brief side trip, the talk will also look at the reasons for needing to do so, particularly given the common belief that it is reasonable for first-generation college students, which students from these groups often are, to gravitate toward higher-paying professions outside of academe that do not require advanced academic preparation. (Received September 26, 2005)