Stable logarithmic maps to Deligne-Faltings pairs

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For the purpose of computing Gromov-Witten invariants, the compactification of the space of relative stable maps with respect to a smooth divisor were introduced and studied using expanded degeneration during the past decade. I will introduce a new way of compactification using logarithmic structures in the sense of Kato-Fontaine-Illusie. In particular, this covers many interesting cases, such as the target variety with a simple normal crossings divisor, or a simple normal crossings degeneration of a variety with simple normal crossings singularities. This is a joint work with Dan Abramovich.

Tuesday April 26th
3:00 p.m.
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