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Sándor J Kovács* (kovacs@math.washington.edu), University of Washington, Department of Mathematics, 354350 Padelford C-138, Seattle, WA 98195. *Higher Dimensional Generalizations of the Geometric Shafarevich Conjecture.*

At the 1962 ICM Shafarevich made a conjecture that predicted that for a fixed base and a fixed genus there are only finitely many non-isotrivial families of smooth projective curves of the given genus over the given base. This was proven in the function field case by Parshin (for a compact base) and by Arakelov (in general), and in the number field case by Faltings. In this talk I will discuss various higher dimensional generalizations of the function field case including Viehweg's conjecture and recent results in the area. (Received February 22, 2007)