## Status of HTS Conductor Development at University of Houston

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**Abstract** - The University of Houston is developing coated conductors with a particular emphasis on coil applications that require high critical currents in high magnetic fields and on applications that need low ac losses. We have demonstrated that high levels of zirconium addition to the superconductor film made by metal organic chemical vapor deposition (MOCVD) can result in significantly enhanced critical currents in high magnetic fields at low temperatures. Multifilamentary coated conductors with thick filamentized copper stabilizer have been developed by a scalable process. The latest advances in coated conductors developed at the University of Houston will be discussed in this presentation.