**Title: Thin Steel Strip Production using Metal Peeling**

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**Abstract**: We present a novel single-step approach for manufacturing continuous metal strip coil, using metal peeling. The process involves machining a thin surface layer of material directly from a rotating feedstock using an innovative cutting tool arrangement under simultaneous action of tension. This talk will highlight recent process developments with steel, with a focus on the effect of strip tension on cutting forces, energy consumption, tool performance and strip quality. Process scale-up for production of steel coils that are several hundreds of meters long, few inches wide, and thickness down to 100 microns will be discussed. This single-step strip production by metal peeling process is intrinsically clean and energy efficient, making it an attractive alternative for thin metal strip production when compared to traditional multi-stage hot/cold-rolling processes.

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