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Dr. A. Erman Tekkaya is professor (emeritus) at the Institute for Metal Forming and Lightweight Components (IUL) of the TU Dortmund University in Dortmund/ Germany. His research interests cover fundamentals and technology of novel metal forming processes as well as material characterization for modelling the material behavior during plastic deformations. Dr. Tekkaya received the International Prize for Research & Development in Precision Forging of the Japan Society for Technology of Plasticity 2014, the SME Gold Medal in 2022 and the ASME Kornel. F. Ehmann Manufacturing Medal in 2025. Dr. Tekkaya is a fellow of the International Academy for Production Engineering (CIRP) and member of the German Association of Metal Forming (AGU). He is Editor-in-Chief of Advances in Industrial and Manufacturing Engineering (AIME). Dr. Tekkaya is adjunct professor at the Ohio State University, honorary professor of the Xi'an Jiao Tong University and Advisory Professor at the Tongji University. Since 2021, he is the Chairman of the Standing Advisory Board of the ICTP.