MANUFACTURING BETTER CHIPS AT LOWER COST

Erik Loopstra, David C. Ockwell, Hans Butler, and Leon Levasier
ASML
Veldhoven, The Netherlands

ABSTRACT
There is a continuing drive for Integrated Circuits (‘chips’) to be manufactured with higher performance and at lower cost. This paper introduces how a chip is made and how its performance is affected by the mechanical aspects of the lithography exposure tool. The paper proceeds with an explanation of measures taken within the exposure tool to enhance its performance.