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Sommario/riassunto	The IMPC 2024 draws together the world's leading experts to promote, discuss and reveal the latest advances in the science and technology of mineral processing. The structure of global energy supply and demand is undergoing a dramatic transformation with shifts towards renewable and alternative sources of electric power and the electrification of transportation. This energy revolution begins with the supply of metals and minerals required to support existing and new methods of electricity generation, electric vehicles, power infrastructure, small and large-scale energy storage, and other related technology. Mineral processing plays an increasingly important role in securing the cost effective supply of a wide range of critical and non-critical metals and minerals, including iron and steel, copper, aluminum, gold, silver, nickel, uranium, zinc, titanium, lithium, cobalt, manganese, platinum group metals, rare earth elements, phosphate, soda ash, limestone, and aggregates.