

This minicourse has two tracks. The first, aimed at new entrants to the field, will discuss the role played by application requirements in setting vacuum electronics operational characteristics and the interplay of the vacuum device with the transmitter components and subassemblies. The fundamental multi-physical nature of vacuum electronics devices will be highlighted.

The second part of the course is aimed at those in vacuum electronics business management. Recurring narratives on vacuum electronic products, typically offered by providers of alternative technology, will be examined to see what's marketing discreditation and what may hit a little closer to home. A challenge will be presented on the steps needed to play the long game in the market space and whether the vacuum electronics industry has the fortitude to take the measures to do so.