

## **DIRECTED EVOLUTION STUDY: INFRARED SOLAR CELLS**

Directed Evolution is a method that examines an existing product and applies the patterns of evolution in order to lead a researcher to innovative products. Further, the DE questionnaire and process sets up the study of technical risk, possible failure modes and quality issues, as well as the intellectual property control for the innovations. This session will illustrate the DE method using an infrared solar cell and the terahertz conversion opportunities to draw power from the cells.