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This Lecture Series outlined practical approaches to the formulation of automated gas turbine engines design tasks. The identified need being to teach the methodology and the processes and NOT the tools. The Lecture Series defined terminology and present optimization techniques and examples of automated workflow processes. Practical examples of part, component, or system level designs was presented for advanced vehicle propulsion and power systems. Key technical and human barriers to widespread acceptance and implementation of automated design approaches was also identified as part of this effort to guide future R&D programmes.					
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## Strategies for Optimization and Automated Design of Gas Turbine Engines

(Les Stratégies pour l'optimisation et la conception automatique de turbines à gaz)

The material in this publication was assembled to support a Lecture Series under the sponsorship of the Applied Vehicle Technology Panel (AVT) presented on 9-10 September 2010 in Berlin, Germany.



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