

# **Thermal Hybrid Powertrain system by a waste thermal energy recovery system**

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Dr

## **Abstract**

Waste thermal energy recovery systems have assumed an important role in the last decade as an effective way to improve fuel utilization in applications of IC engines – hybrid system powertrain, since they produce ecofriendly electrical power from an otherwise wasted energy source, leading to a reduction of the pollution and an increase of the overall system efficiency. In addition to the hybrid systems, this technology can also instantly applied to IC engine based road vehicles to address new emission regulation of The Worldwide harmonized Light vehicles Test Cycles (WLTC) in Europe. The WLTP replaces the European NEDC based procedure for type approval testing of light-duty vehicles, with the transition from NEDC to WLTP occurring over 2017-2019.

## **Biography**

Dr Changho Yang is a senior lecturer in Oxford Brookes University, UK. His major research interests are IC engine, combustion and thermal energy/Thermo-fluid management. His recent research has been granted for Gasoline engine soot formation and combustion of 1D/0D simulation on Ricardo Wave with FORD.