

Forskning

Mitt forskningsintresse är förbränning i motorer i allmänhet och styrning av förbränningen i synnerhet. För att kunna styra förbränningen på ett såväl noggrant som robust sätt krävs detaljerad information om förbränningen från mätning inne i cylindern, t.ex. cylindertrycksmätning. När informationen har extraherats kan den användas som återkopplingsinformation för såväl cykel-till-cykelreglering som intra-cykelreglering av förbränningen.

Per Tunestål

Förbränningsmotorer

Institutionen för energivetenskaper

LTH profilområde: Aerosoler

LTH profilområde: Energiomställningen

Adresstyp: Besöksadress.

Ole Römers Väg 1 (vån 5)

Rm 2124

Sverige

Adresstyp: Besöksadress.

Ole Römers väg 1 (5:e vån)

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Anställning

Professor

Förbränningsmotorer

Lunds universitet

Sverige

2000 apr. 1 → present

Studierektor för forskarutbildningen

Institutionen för energivetenskaper

Lunds universitet

Lund, Sverige

2021 sep. 2 → present

Profilområdesmedlem

LTH profilområde: Aerosoler

Lunds universitet

Sverige

2022 juni 28 → present

Profilområdesmedlem

LTH profilområde: Energiomställningen

Lunds universitet

Sverige

2022 juli 5 → present

Doktorand

University of California, Berkeley

Berkeley, USA

1994 jan. 1 → 2000 jan. 1

Senaste forskningsoutput

Performance and emissions of diesel-biodiesel-ethanol blends in a light duty compression ignition engine

Shamun, S., Belgiorno, G., Di Blasio, G., Beatrice, C., Tunér, M. & Tunestål, P., 2018 dec. 25, I: Applied Thermal Engineering. 145, s. 444-452 9 s.

Effect of the engine calibration parameters on gasoline partially premixed combustion performance and emissions compared to conventional diesel combustion in a light-duty Euro 6 engine

Belgiorno, G., Dimitrakopoulos, N., Di Blasio, G., Beatrice, C., Tunestål, P. & Tunér, M., 2018 okt. 15, I: Applied Energy. 228, s. 2221-2234 14 s.

In-Cycle Closed-Loop Combustion Controllability with Pilot-Main Injections

Jorques Moreno, C., Stenlås, O. & Tunestål, P., 2018 sep. 12, *THIESEL 2018: Conference on Thermo-and Fluid Dynamic Processes in Direct Injection Engines*.

Analyzing Factors Affecting Gross Indicated Efficiency When Inlet Temperature Is Changed

Lam, N., Tunestål, P. & Andersson, A., 2018 sep. 10, I: SAE Technical Papers. 2018-September, 19 s., 2018-01-1780.

Start of low temperature reactions detection based on motoring pressure prediction for partially premixed combustion

Fang, C., Ouyang, M., Yin, L., Tunestål, P., Yang, F. & Yang, X., 2018 aug. 1, I: Applied Thermal Engineering. 141, s. 1101-1109 9 s.

Cylinder Pressure Based Virtual Sensor for In-Cycle Pilot Mass Estimation

Jorques Moreno, C., Stenlaas, O. & Tunestål, P., 2018 apr. 3, I: SAE International Journal of Engines. 11, 6, s. 1167-1182 16 s.

Performance and emissions of diesel-gasoline-ethanol blends in a light duty compression ignition engine

Belgiorno, G., Di Blasio, G., Shamun, S., Beatrice, C., Tunestål, P. & Tunér, M., 2018 apr. 1, I: Fuel. 217, s. 78-90 13 s.

Detailed numerical simulation of transient mixing and combustion of premixed methane/air mixtures in a pre-chamber/main-chamber system relevant to internal combustion engines

Qin, F., Shah, A., Huang, Z. W., Peng, L., Tunestål, P. & Bai, X. S., 2018 feb. 1, I: Combustion and Flame. 188, s. 357-366 10 s.

Double Compression Expansion Engine Concepts: Efficiency Analysis over a Load Range

Lam, N., Andersson, A. & Tunestål, P., 2018 jan. 1, I: SAE Technical Papers. 2018-April

The Potential of SNCR Based NO_x Reduction in a Double Compression Expansion Engine

Muric, K., Tunestål, P., Andersson, A., Andersson, L. & Oom, K., 2018 jan. 1, I: SAE Technical Papers. 2018-April

Closed-loop combustion phase control for multiple combustion modes by multiple injections in a compression ignition engine fueled by gasoline-diesel mixture

Fang, C., Ouyang, M., Tunestål, P., Yang, F. & Yang, X., 2018, I: Applied Energy. 231, s. 816-825 10 s.

Effect of Piston Geometry on Stratification Formation in the Transition from HCCI to PPC

Li, C., Xu, L., Bai, X. S., Tunestål, P. & Tuner, M., 2018, *SAE 2018 International Powertrains, Fuels and Lubricants Meeting, FFL 2018*. Vol. 2018-September. 2018-01-1800. (SAE Technical Papers).

In-Cycle Closed-Loop Combustion Control with Pilot-Main Injections for Maximum Indicated Efficiency

Carlos, J. M., Ola, S. & Per, T., 2018, I: IFAC-PapersOnLine. 51, 31, s. 92-98 7 s.

Medium and high load performance of partially premixed combustion in a wave-piston multi-cylinder engine with diesel and PRF70 fuel

Muric, K., Tunestal, P. & Magnusson, I., 2018, *Large Bore Engines; Fuels; Advanced Combustion*. American Society Of Mechanical Engineers (ASME), Vol. 1. ICEF2018-9568

Modeling and control of gasoline PPC engine approaching high efficiency with constraints

Yang, T., Yin, L., Long, W., Tunestål, P. & Tian, H., 2018, I: *IFAC-PapersOnLine*. 51, 31, s. 442-447 6 s.

Partially Premixed Combustion (PPC) Stratification Control to Achieve High Engine Efficiency

Yin, L., Turesson, G., Yang, T., Johansson, R. & Tunestål, P., 2018, I: *IFAC-PapersOnLine*. 51, 31, s. 694-699 6 s.

Predictive Pressure Control with Multiple Injections

Turesson, G., Yin, L., Johansson, R. & Tunestål, P., 2018, I: *IFAC-PapersOnLine*. 51, 31, s. 706-713 8 s.

SCR-catalyst utilisation and mixing comparison using a novel biomimetic flash-boiling injector

Larsson, P., Ravenhill, P., Larsson, L. U. & Tunestål, P., 2018, *Emissions Control Systems; Instrumentation, Controls, and Hybrids; Numerical Simulation; Engine Design and Mechanical Development*. American Society Of Mechanical Engineers (ASME), Vol. 2. s. 1-7 7 s. ICEF2018-9763

Experimental investigation of methanol compression ignition in a high compression ratio HD engine using a Box-Behnken design

Shamun, S., Haşimoğlu, C., Murcak, A., Andersson, Ö., Tunér, M. & Tunestål, P., 2017 dec., I: *Fuel*. 209, s. 624-633

Impact of diesel pilot distribution on the ignition process of a dual fuel medium speed marine engine

Garcia, P., Tunestål, P., Monsalve-Serrano, J., García, A. & Hyvönen, J., 2017 okt. 1, I: *Energy Conversion and Management*. 149, s. 192-205 14 s.

Evaluation of Different Turbocharger Configurations for a Heavy-Duty Partially Premixed Combustion Engine

Svensson, E., Yin, L., Tunestal, P., Thern, M. & Tuner, M., 2017 sep. 4, I: *SAE International Journal of Engines*. 10, 5, 2017-24-0164.

Parametric Analysis of the Effect of Pilot Quantity, Combustion Phasing and EGR on Efficiencies of a Gasoline PPC Light-Duty Engine

Belgiorno, G., Dimitrakopoulos, N., Di Blasio, G., Beatrice, C., Tuner, M. & Tunestal, P., 2017 sep. 4, I: *SAE Technical Papers*. 2017-September, September, 2017-24-0084.

Proportional-Integral Controller Design for Combustion-Timing Feedback, from n-Heptane to iso-Octane in Compression-Ignition Engines

Ingesson, G., Yin, L., Johansson, R. & Tunestål, P., 2017 sep. 1, I: *Journal of Dynamic Systems, Measurement, and Control*, ASME. 054502.

Simultaneous Control of Soot Emissions and Pressure Rise Rate in Gasoline PPC Engine

Yang, T., Yin, L., Ingesson, G., Tunestål, P., Johansson, R. & Long, W-Q., 2017 aug. 27, *Proceedings of the 2017 IEEE Conference on Control Technology and Applications (CCTA)*. IEEE - Institute of Electrical and Electronics Engineers Inc., s. 572-577 6 s.

Nonlinear Air-Path Control of a Heavy-Duty Diesel Engine—A Receding Horizon Sliding Control Approach

Yin, L., Ingesson, G., Johansson, R., Tunestal, P. & Hedrick, J. K., 2017 juni 29, *2017 American Control Conference, ACC 2017*. IEEE - Institute of Electrical and Electronics Engineers Inc., s. 3619-3624 6 s. 7963507

Control-Oriented Modeling of Soot Emissions in Gasoline Partially Premixed Combustion with Pilot Injection

Yang, T., Yin, L., Ingesson, G., Tunestal, P., Johansson, R. & Long, W., 2017 mars 28, I: *SAE Technical Papers*. 2017-March, March

Influence of Small Pilot on Main Injection in a Heavy-Duty Diesel Engine

Jorques Moreno, C., Stenlås, O. & Tunestål, P., 2017 mars 28, *SAE Technical Paper*. 2017-01-0708. (SAE Technical Paper Series).

Investigation of Small Pilot Combustion in a Heavy-Duty Diesel Engine

Jorques Moreno, C., Stenlaas, O. & Tunestal, P., 2017 mars 28, I: *SAE International Journal of Engines*. 10, 3

Analysis of Exhaust PM Composition Emitted from Non-Sooting Volatile Alcohols

Novakovic, M., Shamun, S., Malmborg, V., Preger, C., Shen, M., Pagels, J., Messing, M., Tunér, M. & Tunestål, P., 2017 mars 21. 1 s.

An Investigation on Ignition-Delay Modelling for Control

Ingesson, G., Yin, L., Johansson, R. & Tunestål, P., 2017, I: *International Journal of Powertrains*. 6, 3, s. 282-306 25 s.

A Study on the Effect of Elevated Coolant Temperatures on HD Engines

Singh, V., Tunestal, P. & Tuner, M., 2017, I: *SAE Technical Papers*. 2017-October

Combined Low and High Pressure EGR for Higher Brake Efficiency with Partially Premixed Combustion

Svensson, E., Yin, L., Tunestal, P. & Tuner, M., 2017, I: *SAE Technical Papers*. 2017-01-2267.

Comparison of Gasoline and Primary Reference Fuel in the Transition from HCCI to PPC

Li, C., Tunestal, P., Tuner, M. & Johansson, B., 2017, I: *SAE Technical Papers*. 2017-October, 2017-01-2262.

Detailed characterization of particulate matter in alcohol exhaust emissions

Shamun, S., Novakovic, M., Malmborg, V. B., Preger, C., Shen, M., Messing, M. E., Pagels, J., Tunér, M. & Tunestål, P., 2017, *COMODIA 2017 - 9th International Conference on Modeling and Diagnostics for Advanced Engine Systems*. Japan Society of Mechanical Engineers

Efficiency Optimal, Maximum Pressure Control in Compression Ignition Engines

Ingesson, G., Yin, L., Johansson, R. & Tunestål, P., 2017, *2017 American Control Conference*. IEEE - Institute of Electrical and Electronics Engineers Inc., s. 4753-4759 7 s. 7963690. (IEEE Xplore Digital Library).

Humid Air Motor: A Novel Concept to Decrease the Emissions Using the Exhaust Heat

Arunachalam, P., Tuner, M., Tunestal, P. & Thern, M., 2017, I: *SAE Technical Papers*. 2017-October, 2017-01-2369.

International Journal of Powertrains: Special Issue on: Vehicle Powertrain Research

Tunestål, P. (Gästred.) & Shahbakhti, M. (Gästred.), 2017, I: *International Journal of Powertrains*. 6, 3, s. 201-202 2 s.

Partially Premixed Combustion Multi-Cylinder Engine Cycle-to-Cycle-Oriented Temperature Estimation and Control

Yin, L., Ingesson, G., Johansson, R., Tunestål, P. & Johansson, B., 2017, I: *International Journal of Powertrains*. 6, 1, s. 5-22 18 s.

PPC operation with low ron gasoline fuel. A study on load range on a euro 6 light duty diesel engine

Dimitrakopoulos, N., Belgiorno, G., Tuner, M., Tunestal, P., Di Blasio, G. & Beatrice, C., 2017, *COMODIA 2017 - 9th International Conference on Modeling and Diagnostics for Advanced Engine Systems*. Japan Society of Mechanical Engineers

Preface

Tunestål, P. & Shahbakhti, M., 2017, I: *International Journal of Powertrains*. 6, 3, s. 201-205 5 s.

Preface

Tunestål, P. & Shahbakhti, M., 2017, I: *International Journal of Powertrains*. 6, 3, s. 201-202 2 s.

Exhaust PM Emissions Analysis of Alcohol Fueled Heavy-Duty Engine Utilizing PPC

Shamun, S., Shen, M., Johansson, B., Tunér, M., Pagels, J., Gudmundsson, A. & Tunestål, P., 2016 okt. 17, I: SAE International Journal of Engines. 9, 4, s. 2142-2152 11 s.

Control of the Low-Load Region in Partially Premixed Combustion

Ingesson, G., Yin, L., Johansson, R. & Tunestål, P., 2016 okt. 3, *Journal of Physics: Conference Series: proceedings of 13th International Conference on Motion and Vibration Control (MOVIC 2016)*. 1 uppl. IOP Publishing, Vol. 744. 15 s. 012106

Exhaust particulate matter emissions of ethanol in comparison with gasoline and diesel fuels in a heavy-duty compression ignition engine

Shen, M., Shamun, S., Malmberg, V., Tunér, M., Tunestål, P., Johansson, B., Pagels, J. & Gudmundsson, A., 2016 sep. 5, s. P1-AT-CA-019.

Control Design Based on FMI: A Diesel Engine Control Case Study

Nylén, A., Henningsson, M., Cervin, A. & Tunestål, P., 2016 juni 20, *8th IFAC Symposium on Advances in Automotive Control AAC 2016*. Tunestål, P. & Eriksson, L. (red.). IFAC, s. 231–238 (IFAC-PapersOnLine; vol. 49, nr. 11).

An Experimental Investigation of a Multi-Cylinder Engine with Gasoline-Like Fuel towards a High Engine Efficiency

Yin, L., Ingesson, G., Tunestål, P., Johansson, R. & Johansson, B., 2016 apr. 5, *SAE 2016 World Congress and Exhibition*. April uppl. Society of Automotive Engineers, Vol. 2016-April.

A Double-Injection Control Strategy For Partially Premixed Combustion

Ingesson, G., Yin, L., Johansson, R. & Tunestål, P., 2016, I: IFAC-PapersOnLine. 49, 11, s. 353-360 8 s.

A Droplet Size Investigation and Comparison Using a Novel Biomimetic Flash-Boiling Injector for AdBlue Injections

Larsson, P., Lennard, W., Andersson, O. & Tunestål, P., 2016, I: SAE Technical Papers. 2016-October

Analysis of Dual-Fuel CNG-Diesel Combustion Modes Towards High Efficiency and Low Emissions at Part Load

Garcia, P. & Tunestål, P., 2016. 9 s.

Effects of Intake Manifold Conditions on Dual-Fuel CNG-Diesel Combustion in a Light Duty Diesel Engine Operated at Low Loads

Garcia, P. & Tunestål, P., 2016, *SAE Technical Papers*. Society of Automotive Engineers, 2016-01-0805

Evaluation of Nonlinear Estimation Methods for Calibration of a Heat-Release Model

Ingesson, G., Yin, L., Johansson, R. & Tunestål, P., 2016, I: SAE International Journal of Engines. 9, 2, s. 1191-1200

Influence of Injection Timing on Exhaust Particulate Matter Emissions of Gasoline in HCCI and PPC

Shen, M., Tuner, M., Johansson, B., Tunestål, P. & Pagels, J., 2016, I: SAE Technical Papers. 2016-October

Model-Based Partially Premixed Combustion (PPC) Timing Control

Yin, L., Ingesson, G., Johansson, R., Tunestål, P. & Johansson, B., 2016, I: IFAC-PapersOnLine. 49, 11, s. 340-346 7 s.

NOx-Conversion and Activation Temperature of a SCR-Catalyst Whilst Using a Novel Biomimetic Flash-Boiling AdBlue Injector on a LD Engine

Larsson, P., Lennard, W., Dahlström, J., Andersson, O. & Tunestål, P., 2016, I: SAE Technical Papers. 2016-October

Scalability Aspects of Pre-Chamber Ignition in Heavy Duty Natural Gas Engines

Shah, A., Tunestål, P. & Johansson, B., 2016, *SAE Technical Papers*. Society of Automotive Engineers, 2016-01-0796

Experimental Investigation on CNG-Diesel Combustion Modes under Highly Diluted Conditions on a Light Duty Diesel Engine with Focus on Injection Strategy

Garcia, P. & Tunestål, P., 2015 sep. 6, I: SAE International Journal of Engines. 8, 5, s. 2177 2187 s., 2015-24-2439.

Double Compression Expansion Engine Concepts: A Path to High Efficiency

Lam, N., Tunér, M., Tunestål, P., Arne, A., Lundgren, S. & Johansson, B., 2015 apr. 14, I: SAE International Journal of Engines. 8, 4, s. 1562 1578 s., 2015-01-1260.

Effect of Pre-Chamber Volume and Nozzle Diameter on Pre-Chamber Ignition in Heavy Duty Natural Gas Engines

Shah, A., Tunestål, P. & Johansson, B., 2015 apr. 14, *SAE Technical Paper*. Society of Automotive Engineers, 10 s. (SAE Technical Paper Series).

Sensitivity Analysis of Partially Premixed Combustion (PPC) for Control Purposes

Yin, L., Ingesson, G., Shamun, S., Tunestål, P., Johansson, R. & Johansson, B., 2015 apr. 14, *SAE Technical Paper*. 2015-01-0884. (SAE Technical Paper Series).

A Model-Based Injection-Timing Strategy for Combustion-Timing Control

Ingesson, G., Yin, L., Johansson, R. & Tunestål, P., 2015, I: SAE International Journal of Engines. 8, June 2015; 8 (3), s. 1012-1020

CFD Simulations of Pre-Chamber Jets' Mixing Characteristics in a Heavy Duty Natural Gas Engine

Shah, A., Tunestål, P. & Johansson, B., 2015, [*Host publication title missing*]. Society of Automotive Engineers, 9 s.

Simultaneous Control of Combustion Timing and Ignition Delay in Multi-Cylinder Partially Premixed Combustion

Ingesson, G., Yin, L., Johansson, R. & Tunestål, P., 2015, I: SAE International Journal of Engines. 8, 5

Senaste aktiviteter

Tianjin University

Per Tunestål (Gästföreläsare)
2018 nov. 30 → 2018 dec. 3

IFAC conference on Engine Control, Simulation and Modelling 2018

Per Tunestål (organisatör)
2018 sep. 20 → 2018 sep. 22

System Control Technology for Smart Mobility of Cyber-Social Environment

Per Tunestål (deltagare)
2018 sep. 17

Sophia University

Per Tunestål (Gästföreläsare)
2018 aug. 19 → 2018 aug. 25

Combustion control - an enabler for clean, efficient combustion engines

Per Tunestål (Huvudtalare)
2018 juni 27

SAE World Congress Experience 2018

Per Tunestål (organisatör)
2018 apr. 10 → 2018 apr. 12

Droplet size, concentration, and temperature mapping in sprays using SLIPI-based techniques

Per Tunestål (Ledamot i betygsnämnd)

2018 feb. 16

Combustion control – an enabler for high-efficiency clean combustion engines

Per Tunestål (Inbjuden talare)

2017 nov. 30

Robust Diesel Engine Performance: An approach based on multi-pulse fuel injection control

Per Tunestål (Ledamot i betygsnämnd)

2017 nov. 29

Advanced Engine Control Symposium, 2017

Per Tunestål (organisatör)

2017 okt. 21 → 2017 okt. 22

Combustion control – an enabler for high-efficiency clean combustion engines

Per Tunestål (Inbjuden talare)

2017 okt. 21

Humid Air Motor: a novel concept to decrease the emissions using the exhaust heat

Per Tunestål (Talare)

2017 okt. 16

SAE Powertrains, Fuels & Lubricants Meeting, 2017

Per Tunestål (organisatör)

2017 okt. 16 → 2017 okt. 19

Lean homogeneous combustion for SI-engines

Per Tunestål (Ledamot i betygsnämnd)

2017 sep. 29

In-cylinder pressure resonance analysis for trapped mass estimation in automotive engines

Per Tunestål (opponent)

2017 sep. 14

Combustion control – an enabler for high-efficiency clean combustion engines

Per Tunestål (Huvudtalare)

2017 juli 27

Sophia University

Per Tunestål (Gästföreläsare)

2017 mars 23 → 2017 mars 25

Cheng Fang

Per Tunestål (Värd)

2017 mars 1 → 2022 mars 14

Spark Ignition Combustion of Direct Injected Alternative Fuels

Per Tunestål (Ledamot i betygsnämnd)

2016 dec. 2

Estimation of torque in heavy duty vehicles with focus on sensor hysteresis

Per Tunestål (Ledamot i betygsnämnd)

2016 okt. 21

Miao Zhang

Övind Andersson (Första/primär/huvudhandledare) & Per Tunestål (Andra handledare)
2016 sep. 19 → ...

Kenan Muric (Double Compression Expansion Engine)

Per Tunestål (Första/primär/huvudhandledare) & Martin Tunér (Andra handledare)
2016 juli 4 → 2018 nov. 1

Waste Heat Recovery from Combustion Engines based on the Rankine Cycle

Per Tunestål (Ledamot i betygsnämnd)
2016 mars 11

Vikram Singh (Waste Heat Recovery 2)

Martin Tunér (Första/primär/huvudhandledare), Per Tunestål (Delad andra handledare) & Marcus Thern (Delad andra handledare)
2016 mars 1 → ...

Carlos Jorques Moreno (Closed-Loop Diesel Control - Part 2)

Per Tunestål (Första/primär/huvudhandledare) & Ola Stenläås (Andra handledare)
2016 jan. 1 → ...

SCR Aftertreatment Control based on a Grey Box Virtual Sensor Approach

Per Tunestål (opponent)
2015 dec. 10

Tianhao Yang

Per Tunestål (Vård)
2015 okt. 1 → 2017 sep. 30

Tianhao Yang (KCFP Control)

Per Tunestål (Första/primär/huvudhandledare) & Rolf Johansson (Andra handledare)
2015 okt. 1 → 2017 sep. 30

Optimal Control of Electrified Powertrains

Per Tunestål (Ledamot i betygsnämnd)
2015 juni 5

Optimal Predictive Control of Wheel Loader Transmissions

Per Tunestål (Ledamot i betygsnämnd)
2015 mars 20

Sam Shamun (MOT-2030)

Martin Tunér (Första/primär/huvudhandledare) & Per Tunestål (Andra handledare)
2015 mars 1 → ...

Michael Denny (GenDies)

Övind Andersson (Första/primär/huvudhandledare), Per Tunestål (Delad andra handledare) & Håkan Persson (Delad andra handledare)
2014 okt. 7 → ...

Nikolaos Dimitrakopoulos (KCFP PPC-LD)

Per Tunestål (Andra handledare) & Martin Tunér (Första/primär/huvudhandledare)
2014 okt. 1 → ...

Changle Li (KCFP PPC-HD)

Martin Tunér (Första/primär/huvudhandledare) & Per Tunestål (Andra handledare)
2014 aug. 1 → ...

Nhut Lam (Double Compression Expansion Engine)

Per Tunestål (Delad första/primär/huvudhandledare), Bengt Johansson (Delad första/primär/huvudhandledare) & Martin Tunér (Andra handledare)
2013 nov. 1 → ...

Lianhao Yin (PPC Control)

Per Tunestål (Första/primär/huvudhandledare) & Rolf Johansson (Andra handledare)
2013 aug. 9 → 2018 juni 7

Pablo Garcia Valladolid (

Per Tunestål (Första/primär/huvudhandledare), Övind Andersson (Delad andra handledare) & Antonio Garcia (Delad andra handledare)
2013 juli 1 → 2018 juni 15

Slavey Tanov (KCFP PPC-LD Optical)

Övind Andersson (Första/primär/huvudhandledare) & Per Tunestål (Andra handledare)
2013 juli 1 → 2017 juni 16

Peter Larsson (Biomimetic injection of AdBlue)

Per Tunestål (Första/primär/huvudhandledare) & Övind Andersson (Andra handledare)
2013 apr. 1 → ...

Ted Lind (GenDies)

Övind Andersson (Första/primär/huvudhandledare) & Per Tunestål (Andra handledare)
2013 jan. 21 → ...

Gabriel Turesson (KCFP Control)

Rolf Johansson (Första/primär/huvudhandledare) & Per Tunestål (Andra handledare)
2012 nov. 5 → 2018 juni 1

Prakash Narayanan (Waste Heat Recovery)

Martin Tunér (Första/primär/huvudhandledare), Per Tunestål (Delad andra handledare) & Marcus Thern (Delad andra handledare)
2011 okt. 1 → 2016

Ashish Shah (KCFP Gas Engine)

Per Tunestål (Första/primär/huvudhandledare) & Bengt Johansson (Andra handledare)
2011 juni 1 → 2015 dec. 16

Maja Novakovic (HD-PPC and KCFP PPC-HD)

Per Tunestål (Första/primär/huvudhandledare), Martin Tunér (Delad andra handledare) & Bengt Johansson (Delad andra handledare)
2011 apr. 1 → ...

Mengqin Shen (KCFP PPC-HD)

Per Tunestål (Första/primär/huvudhandledare), Bengt Johansson (Delad första/primär/huvudhandledare) & Martin Tunér (Andra handledare)
2010 aug. 1 → 2016 juni 15

Mengqin Shen (PhD student)

Per Tunestål (Första/primär/huvudhandledare), Martin Tunér (Andra handledare) & Bengt Johansson (Första/primär/huvudhandledare)
2010 aug. 1 → 2016 dec.

Priser och utmärkelser

Chairman of SAE Control and Calibration Committee

Tunestål, Per (Mottagare), 2008 apr. 15

Chair of IFAC Technical Committee on Automotive Control

Tunestål, Per (Mottagare), 2017 juli 10

Excellence in Oral Presentation

Tunestål, Per (Mottagare), 2014

Forskningsmedel

Utveckling av en ny biomimetisk AdBlue-insprutare

Tunestål, P.

Energimyndigheten: 1 475 334,00 kr

2017/03/06 → 2018/03/05

Projekt

Återkopplad Diesel del 3

Tunestål, P., Stenlåås, O. & Jorques Moreno, C.

2018/09/01 → 2021/05/01

Bio-Inspired Urea Dosing and NOx Conversion - using a Biomimetic Effervescent Injector

Larsson, P., Tunestål, P., Andersson, Ö. & Larsson, L.

Energimyndigheten, Swedish Government Agency for Innovation Systems (Vinnova)

2013/02/11 → 2019/03/28

Closed-Loop Diesel Control - Part 2

Tunestål, P., Stenlåås, O. & Jorques Moreno, C.

2014/01/01 → 2017/12/31

Development of a new biomimetic AdBlue injector

Ravenhill, P., Tunestål, P. & Larsson, P.

2017/03/06 → 2018/03/05

Diesel Assisted Gas Engine

Tunestål, P. & Garcia, P.

Energimyndigheten

2012/10/30 → 2016/12/31

Diesel HCCI in a Multi-Cylinder Engine

Tunestål, P., Henningsson, M. & Johansson, R.

2009/02/06 → 2011/12/31

Dual fuel combustion modelling

Merts, M., Verhelst, S. & Tunestål, P.

2018/04/01 → 2022/04/01

FFI - Biomimetics

Tunestål, P.
2013/01/01 → 2016/12/31

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