

# COOPERATION AGREEMENT

between

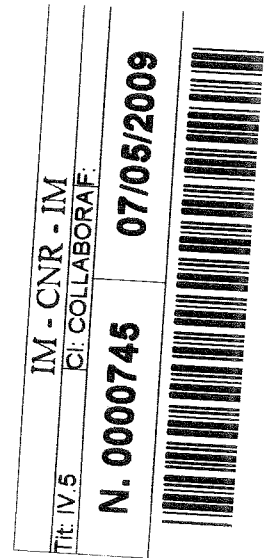
**Erlangen Graduate School in Advanced Optical Technologies  
(SAOT)**

and

**Lehrstuhl für Technische Thermodynamik (LTT)**  
Friedrich-Alexander-University of Erlangen-Nuremberg (FAU)  
Am Weichselgarten 8  
91058 Erlangen, Germany

and

**Istituto Motori**  
National Research Council of Italy (CNR)  
Via G. Marconi, 8 – 80125 Napoli, Italy



## *Preamble*

The Erlangen Graduate School in Advanced Optical Technologies at the University of Erlangen-Nuremberg (hereafter referred to as SAOT) is a major research and educational institution. In close collaboration with the FAU-Institute of Engineering Thermodynamics (LTT – Lehrstuhl für Technische Thermodynamik) SAOT investigates the fundamentals and applications of internal combustion engines using optical diagnostics for the study of all different single steps forming the functioning chain of the engine process.

The Istituto Motori is a public multidiscipline research center of the National Research Council of Italy (hereafter referred to as IM-CNR). It performs basic and applied research in the field of stationary and in-cylinder fluid-dynamic processes, fuel injection systems, optical diagnostics of advanced combustion processes of internal combustion engines as well as alternative fuels and hybrid powertrains.

The SAOT-LTT and the IM-CNR hereby agree upon the following terms and conditions as set in this Cooperative Proposal.

## *1. Objective*

The purpose of this Agreement is to promote and expand international development, understanding and friendship by stimulating and supporting educational, professional and intercultural activities, as well as projects among researchers of the IM-CNR and SAOT-LTT.

Cooperation shall be carried out, subject to availability of funds and the approval of each institution, through such activities or programs as:

- a) Developing collaborative research projects;
- b) Exchange of teaching and research staff of the IM-CNR and the SAOT-LTT.

**2. Coordinators**

For IM-CNR: Dr.Eng. Felice E. Corcione and Dr. Eng. Gerardo Valentino  
For SAOT and LTT: Prof. Dr.-Ing. Alfred Leipertz and Prof. Dr.-Ing. Michael Wensing

**3. Developing Collaborative Research Projects**

Both parties shall regularly evaluate the collaborative research projects being undertaken, make appropriate adjustments whenever problems occur, sum up experience and seek more funding for developing new projects.

**4. Exchange of scientific staff**

The IM-CNR and the SAOT-LTT will work cooperatively to select exchange participants, to decide the exchange periods, and, in general, to provide the most appropriate solution for both institutions to any arising problems.  
Sufficient health and accident insurance shall be the responsibility of the individual taking part in exchange activities.

**5. Duration / Termination of the Agreement**

This Cooperation Agreement will remain in force for a period of five years after signing, and any amendment and/or modification of the Agreement will require written approval of the directors of each contracting institution and shall be appended hereto.  
This Agreement will be extended automatically for another year if none of the partners states his interest to cease the Agreement at least three months before its validity expires.  
Any termination must take into account existing exchanges and cooperation programs which have to tie finished.

All the partnerships will disseminate the results of the collaboration via joint publications, seminar and meetings.

CONSIGLIO NAZIONALE DELLE RICERCHE  
For Istituto Motori C.N.R.  
IL DIRETTORE  
Dott. Ing. Paola Belardini

For Erlangen Graduate School in  
Advanced Optical Technologies

Dr.Eng. Paola Belardini  
The Director

Prof. Dr.-Ing. Alfred Leipertz  
The Coordinator and Director

*Paola Belardini*

*Alfred Leipertz*

**Scientific Coordinators:**

Dr.Eng. Felice E. Corcione

*Felice E. Corcione*  
Dr.Eng. Gerardo Valentino

Naples, 07-05-09

Prof./Dr.-Ing. Alfred Leipertz

*Michael Wensing*  
Prof. Dr.-Ing. Michael Wensing

Erlangen, 07-05-09