

*Invitation to*

**6th European Seminar on Velomobile Design**  
Copenhagen  
October 16.-17. 2009



The series of Velomobile Design Seminars started in 1993 in Copenhagen. Through 15 years the seminars have been an important inspiration to the development of velomobiles for practical transport and sport.

The perspectives for velomobiles as an alternative, environmental friendly means of transportation are today more obvious than ever. In many situations a velomobile can replace a car, offering cargo space, weather protection, better aerodynamics and higher speed than an ordinary bicycle. People need more physical exercise for health care

reasons, to stay or to become fit, to improve quality of life. A velomobile is a comfortable and secure means to get training.

The velomobile doesn't increase greenhouse-gas emissions, an issue, which has gained increasing attention in the last 5 years. The United Nations (Conference of Parties under UNFCCC) has called for the next Climate Conference in the first week of December 2009. It will take place in the Bella Center in Copenhagen. On this occasion, we will demonstrate the potential of velomobiles for an environmental friendly lifestyle.

## Papers to be presented

The Velomobile Design Seminars allows to discuss many subjects, and here are the main topics:

**Heike Bunte** (D) invites for a discussion of acceptance of velomobiles in societies. She asks the question: Will a wider diversification lead to a wider use?

**Antal Joó** (H) summarizes the ideal specifications for a velomobile, from a Hungarian point of view. He has about 2 years experience as velomobilist and wants to point out, which obstacles he sees for more extended use in his country.

**Jürgen Eick** (D) has been a velomobilist since 1989 (and his wife since 1993). The family has never had a car. Through the 20 years and 120.000 km he has been asked many questions, and he comments the most common prejudices and misunderstandings.

**Paulus den Boer** (NL) brings focus to a very typical prejudice: Velomobiles are not enough visible in traffic, therefore, dangerous. He suggests a number of means to improve peoples awareness, including styling, contrasts, light, reflex etc.

**Sylvain Lemoine** (F) suggests new ways to create more affordable velomobiles, which implies higher production numbers and lower costs. Perhaps Asia (Taiwan) will be an important partner in this process.

**Harald Winkler** (D) has long experience with design of velomobiles based on foam shells, the so called "Meufel-design". He will demonstrate his latest creation: An ultra light velomobile, weighing less than 12 kg.

**Chris Pollen** (USA) recommends another foam shell design based on zote foam. He makes reference to the pioneering work of John Tetz.

**Suhas Malgham** (USA) uses a bamboo plywood/balsa sandwich for inexpensive body manufactur-

ing. His tadpole trike, with tilting capability, will be presented as prototype.

**Ingo Kollibay** (D) contributes with a discussion of the 4-wheeler concept. The great majority of velomobiles are today trikes, delta or tadpole, but 4 wheels have distinct advantages, which should be considered in future design.

**Andreas Fuchs** (CH) discusses principles of human-electric hybrid drives, their advantages and disadvantages with respect to use in velomobiles.

**Carl Georg Rasmussen** (DK) has made a series of wind tunnel experiments on models of velomobile bodies in order to study cross wind effects.

The seminar will also review a number of new velomobile marks introduced on the market since the 5th seminar in 2004.

## Proceedings of the seminar

The papers will be published on a CD, which will be available from [designseminar@liggecykelforeningen.dk](mailto:designseminar@liggecykelforeningen.dk). All participants will receive a copy.

## Time and Place

The seminar will take place Friday, October 16th 2009, 10:00 - 16:00 in a conference room "Fabrikken" in Christiania. See the map next page of the former military barracks area.

Christiania is today a site for "alternative living". Cars are not permitted inside this area, and Christiania has many bicycles. The famous carrier cycle "Christiania Bike" was borne here, as well as the "Copenhagen Pedersen". Christiania has many restaurants and bars.

On Saturday, October 17th, all participants are invited to take part in a demonstration and sight seeing tour through Copenhagen, ending with a press conference.

## Registration, fee and accomodation

No prior registration is necessary. The seminar participants registre at the entrance to the conference room and pay a small fee of 20 Euro.

Accomodation can be found in Copenhagen and suburbs at very moderate prices (15-30 Euro).

There are special low prices for groups in Hostels. Please check [www.visitcopenhagen.com](http://www.visitcopenhagen.com).

It is recommended to make an early reservation.

