

# Proposal Template

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## 4<sup>th</sup> International CDIO Conference **ACTIVE ENGINEERING EDUCATION**

June 16-19, 2008  
University College Ghent  
Ghent, Belgium.

### Title

Energyteam Belgium undertakes ECO-car project

### Authors and Affiliations

Author who acts as contact person: Foubert Guy

Other Authors : Vandenplas Christian

### Type of Presentation: (check one)

**active paper (15-30 min)**

poster session (60 min)

advanced workshop (45 min)

round-table session (60 min)

advanced workshop (90 min)

### Short Description

The energyteam is a group of students that is formed by a coordinator-coacher who poses a challenge. The purpose is that this team has to build a car that is the most fuel-saving car for one person, just the driver (a car with no passengers) : "drive as far as possible with a minimum of energy".

At least the Belgian record of bio-fuel efficiency has to be broken. Therefore, it has to compete with itself (former records) and at the same time with other national and international world-teams. This year the team consists of 6 final-year students in applied engineering sciences.

### Relevance to the Conference Theme, Strands, and/or CDIO Initiative

Please indicate (tick) the strand that the presentation most closely relates to.

**Application of CDIO to a wide range of disciplines**

**The involvement of industry**

Development of professional competences

**Design-implement experiences**

**Supporting sciences and CDIO**

**Student involvement**

Curriculum and programme design

**Technology-enhanced learning**

**Assessment of professional competences**

Facilitating change in engineering education

**Evaluating the impact of CDIO**

**Programs**

**Active and experiential learning**

**Abstract** (maximum one A4 sheet)

Team work, organisation, planning and consultation

Contact with sponsors: maintain good relation and searching for appropriate new companies and institutions to support.

Communication with press

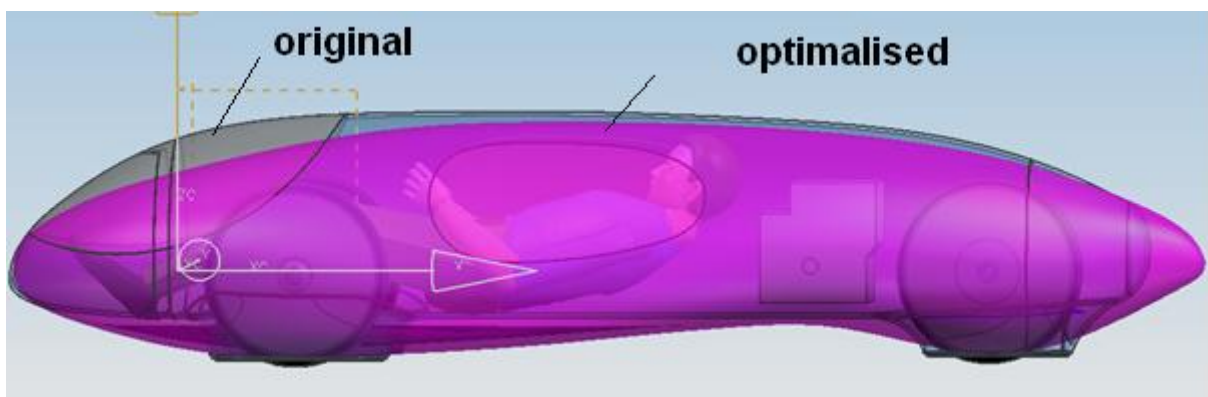
Organisation and participating fair and open-day events

Design of presentation logo, leaflet, handouts and flyers

Website building and updating the news of progress and activities

Optimization (technical) aspects: aerodynamics, model strength, weight, engine- and fuel efficiency, rolling resistance, driving strategy, safety and ergonomics.

This drawing having an idea of design concept



**Active presentation techniques**

Describe one or two ways in which you intend to engage the audience (for example, paired discussion, personal response using clickers or flash cards ...). This section is a decisive factor in the acceptance of your proposal and the amount of time you will be allocated.

Active presentation technique(s) to be used:

- Powerpoint presentation
- Personal response
- Fluent animations
- Computer+beamer

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**Facilities/equipment required (tick all those appropriate)**

**Computer projector (provided in all locations)**

**Overhead projector**

Flip charts and pens

Clickers (personal response system)

Coloured flash cards

Post-it notes

Other (please describe)

Send all proposals via e-mail as MS Word or pdf files to [jgaywood@liv.ac.uk](mailto:jgaywood@liv.ac.uk) on or before **December 7<sup>th</sup> 2007**