



Aerodynamic Design of Small Commercial Aircraft

Training workshop



18-19 March 2009

Prague Congress Centre, Prague, Czech Republic

Audience: The workshop is open for CESAR participants as well as for any external organizations having interest in utilization of know-how generated by CESAR project.



18th March - Session I

Exploitation of Aerodynamic Design Tools for the CESAR project and for General Aviation (GA)

- 8:00 Registration
- 8:45 Welcome
- 9:00 Presentations of in-house software/codes used on CESAR project of for GA:
 - Flower (DLR) - 45 min
 - Edge (FOI) - 45 min
- 10:30 Coffee break
- 11:00
 - Argo (CENAERO) - 45 min
 - R-Ice (UoD/VZLU) - 30 min
- 12:15 Lunch
- 13:00 Presentations of commercial codes (employed in CESAR):
 - MSES (VZLU) - 25 min
 - Fluent (IoA) - 25 min
 - Star-CCM (VZLU) – 25 min.
 - CMARC (VZLU) – 25 min.
- 14:40 Coffee break
- 15:00
 - Parameterization (VZLU, ...)
 - Optimization (CENAERO-Minamo, VZLU, ...)
 - Meshing (MegaCADs-DLR...)
- 17:00 Close



19th March - Session II

Aerodynamic Design in CESAR project

- 8:00 Registration
- 8:30 Task 1.1 - High fidelity aerodynamic design tools – baseline models, tools to meet specific requirements of aerodynamic analysis (results and their potential use)
- 10:00 Coffee break
- 10:30 Task 1.2 - Advanced wing – Airfoil sections and high lift devices, Wing concept optimization, Methodology for contamination assessment - (results and their potential use)
- 12:00 Lunch
- 13:00 T1.3 - Flight dynamics - Development of the advanced flight dynamics computation tool, flight dynamics testing procedures and validation - (results and their potential use)
- 14:30 End of the workshop

Registration

The closing date for registration is: March 4th 2009.
Please use the attached registration form.

No entrance fee.



Venue



Prague Congress Centre 1st floor – Club E

Address

Prague Congress Centre

5.května 65

140 21 Praha 4

www.kcp.cz

[<<PLAN OF PCC>>](#)



Plan of the 1st floor

Accommodation

We suggest that you stay in:

1) Holiday Inn

Na Pankráci 1684/15, Prague 4

www.holidayinn.cz

Price

(including breakfast, without tax 9%):

119 EUR / per night / single room

139 EUR / per night / double room

Cancellation fees: Room cancelled later than 7 days before arrival or in case of no show – whole stay cancellation fee applies.

Reservation: Send filled in attached file

Holiday Inn Reservation form to

reservation@holidayinn.cz

on February 28th at the latest.



2) Best Western Hotel Meteor Plaza

Hybernská 6, Prague 1

<http://www.hotel-meteor.cz/en/>

Price (including breakfast and tax):

65 EUR / room / per night

Cancellation fees:

3 days before arrival – no fee

Reservation:

Write your reservation on email address

reservation@hotel-meteor.cz

on February 20th at the latest. In subject of reservation email please give „CESAR - workshop“.



3) Ambassador

Václavské náměstí 5-7, Prague 1

www.ambassador.cz

Price (including breakfast and tax):

116 EUR / room / per night

Cancellation fees:

3 days before arrival – no fee

Reservation:

Send filled in attached file Ambassador Hotel

Booking form – 2009 to

reservation@ambassador.cz

on February 10th at the latest.



Transport

By Air

The Ruzyně international airport is located 18 kilometers from the Prague Congress Centre.

By metro

Use line C (red line) and get off at the Vyšehrad stop. The Congress Centre is located right next to the stop.