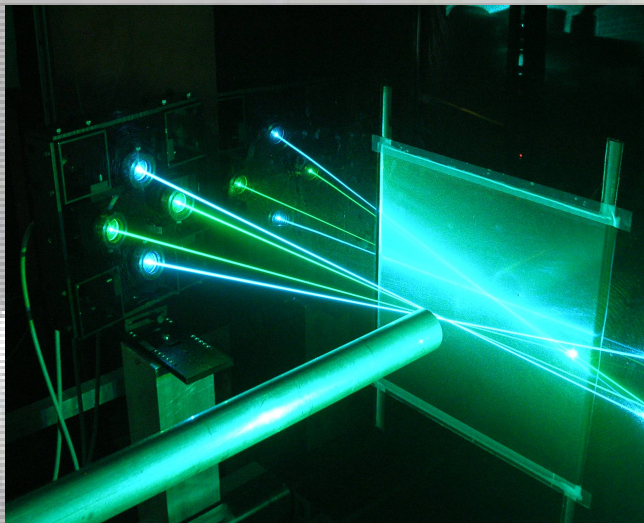


# Short course on Laser Doppler Anemometry

6-7 December 2007

Delft University of Technology

Organized by DALA  
Dutch Association for Laser  
Anemometry  
[www.anemo.nl](http://www.anemo.nl)



## Summary

The course starts with an introduction to the basics of LDA. The main emphasis of the course is on the processing of Doppler signals, the extraction of flow field statistics from LDA velocity samples (effects of noise, velocity bias, random sampling etc.). Practical issues related to the optimization of LDA systems, and the use of LDA in harsh environments (flames, bubbly flows) will also be discussed.

## Location

The course will be held at Delft University of Technology, Faculty of Applied Sciences, Lorentzweg 1, room C113.

## Course Material:

Participants receive lecture notes at the start of the course.

## Lecturers:

Dr. H.R.E. van Maanen (Shell Global Solutions)  
Dr. ir. M.J. Tummers (Delft University of Technology)  
Dr. ir. W.K. Harteveld (Shell Global Solutions)

## Registration Fee:

The course is for free. Coffee/tea and lunch will be provided. Hotel accommodations are not arranged by the course organizers.

## For more information contact:

Dr. M.J. Tummers, phone: +31 15 2782477, email:  
[M.J.Tummers@tudelft.nl](mailto:M.J.Tummers@tudelft.nl)

## Programme

### Thursday, 6 December

Morning: Basics of LDA  
Basics of signal processing

Lunch break

Afternoon: Monte Carlo simulations and noise in LDA  
LDA signal processors  
Demonstration in laboratory

### Friday, 7 December

Morning: LDA sampling process  
Diagnostic testing of LDA data sets

Lunch break

Afternoon: Spectral estimation of LDA data  
Advanced processing of LDA data  
Optimization  
LDA in reacting flows  
LDA in two-phase flows

## Registration

Return this form, or send an email, to:

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Faculty of Applied Sciences  
Lorentzweg 1, 2628 CJ Delft, The Netherlands  
[M.J.Tummers@tudelft.nl](mailto:M.J.Tummers@tudelft.nl)

Name: .....

University/Organization: .....

Faculty/Dept: .....

Address: .....

Zip code/City: .....

Email: .....