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Welcome to the DISC Newsletter of December 2011.

Message from the DISC office

We wish all DISC members and their families a Happy New Year!

[top](#)**DISC Courses 2011-2012**

The DISC Courses of 2011-2012 are available on our [website](#).

This college year the following courses are scheduled:

Flexible Multibody System Analysis for Control Purposes

Mathematical Models of Systems

Nonlinear Control Systems

Control and System Theory of Stochastic Systems

Model Predictive Control

Design Methods for Control Systems

Model Reduction for Control Based on Balanced Realizations

Distributed Control and Optimization in Multi-Agent Systems

Check the [course program](#) or the [descriptions](#) on the website.

On January 9 the following course will start:

Model Predictive Control: lecturers: A.J.J. van den Boom and A.A. Stoorvogel

Don't forget you have to [register](#) before you participate.

news

benelux meeting 2016

The 35th Benelux Meeting on systems and control will take place in "Kontakt der Kontinenten", Soesterberg, The Netherlands on March 22-24 2016.

[read more...](#)

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Since last academic year we have a new course location. The courses will be taught at Hogeschool Domstad in Utrecht, location Koningsbergerstraat 9. For details check their [website](#)

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Benelux Meeting 2012

The Organizing Committee has the pleasure of inviting you to participate in the 31st Benelux Meeting on Systems and Control to be held in "Centerparcs Heijderbos", Heijden, The Netherlands, on March 27 - 29, 2012.

Please visit the [website](#) for more [information](#).

Abstract submission deadline: January 20, 2012

Author notification: Januari 27, 2012

Final abstracts due: February 13, 2012

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Winter Course 2012



In the week of February 13, 2012 Vincent Andrieu will teach a DISC Winter Course on "Observer for Nonlinear Systems"

It is a three day course wich will be held at University Groningen. Registration is open.

The aim of this course is to give an overview on observer tools for nonlinear systems. Starting with necessary conditions for their existence we will give some sufficient conditions for their construction. Depending on the properties of the system, we will consider high-gain observers, Lyapunov-based observers, and nonlinear Luenberger observers.

More detailed information you can find on our [DISC website](#).

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Justin Rice

Justin Rice won the European Embedded Control Institute annual PhD award for his thesis "Efficient algorithms for distributed control: a structured matrix approach", under the supervision of Professor Michel Verhaegen at Delft University. Congratulations!

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EECI course

As part of the 2012 edition of the EECI Graduate School, the course "Randomization in Systems and Control Design – the Scenario Approach", taught by Marco C. Campi and S. Garatti, will take place in Supelec – Paris in the week 13-17 February, 2012.

Full information is available at the [EECI](#) website.

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Vacancies

Delft University of Technology

At TUD-DCSC is a vacancy for a Post-doc in Nonlinear Dynamical Systems.
For more information click [here](#).

University of Groningen

PhD position in Control Theory at the University of Groningen Faculty of Mathematics and Natural Sciences University of Groningen, the Netherlands. [More information](#).

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New People

Delft University of Technology

Name: Jan-Maarten Engel
Starting date: November 1, 2011
Function: PhD student
Email: j.m.engel@tudelft.nl
Group: TUD-DCSC
Supervisor: Prof.dr. R. Babuska
Project: Reinforcement Learning



Name: Esmail Najafi
Starting date: November 1, 2011
Function: PhD student
Email: e.najafi@tudelft.nl
Group: TUD-DCSC
Supervisor: Prof.dr. R. Babuska
Project: Learning Control in Robotics

Dear all,

My name is Esmail Najafi and I was born in Iran on 11 August, 1985. My wife and I arrived to Delft a few weeks ago. I started in November as a PhD student at TU Delft under the supervision of Prof. dr. Robert Babuska and my daily supervisor is dr. Gabriel Lopes.

The research is involved in Learning Control in Robotics. I completed the "Mechanical Engineering" bachelor and "Dynamics and Control" Master at K. N. Toosi University of Technology in Iran. My master project was involved in controlling of rehabilitation robots and our teamwork built a Stewart platform and another robot for rehabilitation usages.

I play soccer in my free time and also do hiking. Beside sport, I also like to travel. I hope to know you all better and work together to achieve our superior goals.

University of Twente



Name: Israel Numez Hernandez
Starting date: November 15, 2011
Function: PhD student
Email:

i.nunezhernandez@utwente.nl

Group: UT-EE
Supervisor: Dr.ir. P.C. Breedveld
Project: True Modeling Support Environment for Multidisciplinary Engineering Systems

Israel Núñez Hernández from Mexico will join our group as a PhD student. He will work on a 'true modeling support environment for multidisciplinary engineering systems', with an initial focus on electrical power distribution and generation as well as model-based fault detection. Israel's advisor is Peter Breedveld.



Name: Roy Roesthuis
 Starting date: November 15, 2011
 Function: PhD student
 Email:
r.j.roesthuis@utwente.nl
r.j.roesthuis@utwente.nl
 Group: UT-EE
 Supervisor: Dr. S. Misra
 Project: H-Haptics



Name: Islam Khalil
 Starting date: January 1, 2012
 Function: postdoc
 Email:
kahalil@sabanciuniv.edu
kahalil@sabanciuniv.edu
 Group: UT-EE
 Supervisor: Dr. S. Misra
 Project: Micro-robotics

Islam Khalil will join the Control Engineering group as a post-doctoral fellow officially on January 1, 2012. Islam's mentor will be Sarthak Misra, and he will be working on the micro-robotics project. Islam did his PhD in the mechatronics program at Sabanci University (Istanbul, Turkey).

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PhD defences

Candidate: Vishwa Reddy
 Group: Center
 Thesis: Essays on Dynamic Games
 Supervisors: Dr. J.C. Engwerda Prof.dr. J.M. Schumacher
 Date: November 18, 2011
 Location: Aula, Tilburg University
 Time: 10:15

Candidate: Gert Witvoet
 Group: TU/e-ME
 Thesis: Feedback Control and Injection Locking of the Sawtooth Oscillation in Fusion Plasmas
 Supervisor: Prof.dr.ir. M. Steinbuch
 Date: December 21, 2011
 Location: Eindhoven, Auditorium 5
 Time: 16:00

Candidate: Niels Besseling
 Group: UT-AM
 Thesis: Stability Analysis in Continuous and Discrete Time
 Promotor: Prof.dr. H.J. Zwart
 Date: January 20, 2012
 Location: University of Twente, Berkhoff zaal (Waaier 4)
 Time: 14:45

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Next issue of the Newsletter

The next issue of this Newsletter will appear in January 2012.

We encourage the contributors to provide essential information. In principle, we intend to publish any message offered. However, we reserve the right to edit certain parts of a submission.

Please send your contributions to:

s.m.vandermeer@tudelft.nl

Send the articles preferable in the English language.

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