



9th Workshop on Control of Distributed Parameter Systems

Program and Abstract



June 29th - July 3rd, 2015, Beijing, China



北京理工大学
BEIJING INSTITUTE OF TECHNOLOGY

About the CDPS

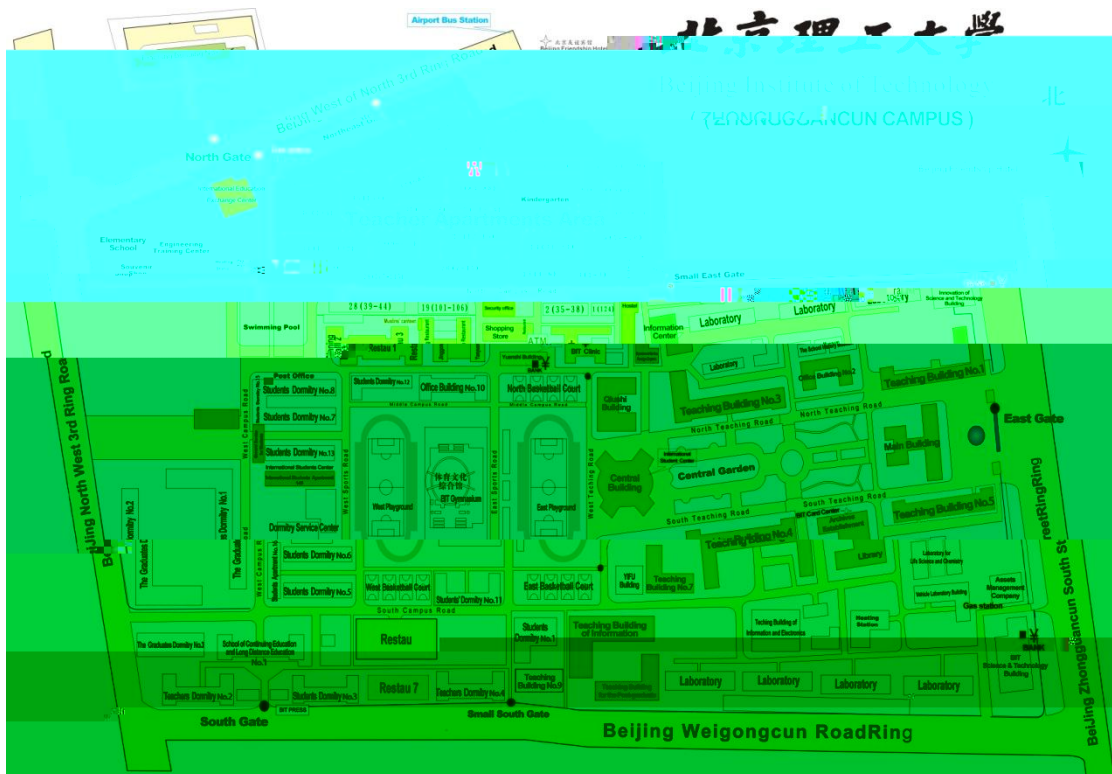
CDPS

CDPS Conference History

CDPS Steering Committee

CDPS Organizing Committee

Venue



Registration

Sponsors



Academy of Mathematics and Systems Science
Chinese Academy of Sciences



National Natural Science Foundation of China



Monday June 29, 2015

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Morning Session (08:30-12:10, Chair: Hans Zwart)

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Afternoon Session (14:30-18:10, Chair: George Weiss)

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Tuesday June 30, 2015

Morning Session (08:30-12:10, Chair: Yutaka Yamamoto)

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Afternoon Session (14:30-18:10, Chair: Bingyu Zhang)

Thursday July 2, 2015

Morning Session (08:30-12:10, Chair: Sergei A. Avdonin)

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Afternoon Session (14:30-18:10, Chair: Denis Matignon)

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Friday July 3, 2015

Morning Session (08:30-12:10, Chair: Zhuangyi Liu)

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Afternoon Session (14:30-18:10, Chair: Bao-Zhu Guo)

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Welcome and Opening of CDPS 2015

Bao-Zhu Guo

Morning Session

Hans Zwart

George Weiss

fluid occupying a bounded domain Ω , wit

$\in \Omega$. If the

is jumping between a finite number of points in Ω , that depend on h (a switching

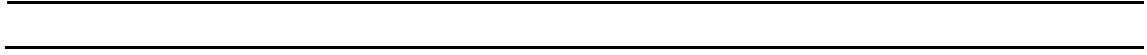
Denis Matignon

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(LHMNLC'15), (invited session), 6 p. <http://github.com/flavioluiz/port>

Jiongmin Yong

For a standard optimal control problem of evolution equations, by applying Pontryagin's



Goong Chen

Xu Zhang

Bernhard Maschke

several examples; In a second instance, we shall analyze the passivity and system's

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Alessandro Macchelli

Shige Peng

Hans Zwart

s (ode's) it is well

For partial differential equations (pde's) a similar result is known for decades. However,

when these conditions don't hold.

Andras Balogh

Lionel Rosier

Qihong Chen

Lunch Time

Afternoon Session

Bingyu Zhang

Serge Nicaise

Zhuangyi Liu

Kenji Kashima

Cheng-Zhong Xu

Hongwei Lou

Morning Session

Sergei A. Avdonin

Seppo A. Pohjolainen

Shanjian Tang

suitable conditions, we prove that the value field $V(t, x, \Omega)$, (t, x, Ω)
 Ω , is qua

$$K_t = K_0 - \int_0^t dk_s + \int_0^t \sum_{i=1}^d L_s^i dW_s^i, \quad t \in [0, T]$$

$$\int_0^t \sum_{i=1}^d L_s^i dW_s^i$$

Kazufumi Ito

Bopeng Rao

Hang Gao

Lunch Time

Afternoon Session

Denis Matignon

Sergei A. Avdonin

Gengsheng Wang

Orest V. Iftime

Morning Session

Zhuangyi Liu

Arnaud Münch

wave equation posed in Ω

Ω a bounded subset of \mathbb{R}^N

Pengfei Yao

Noboru Sakamoto

Bingyu Zhang

Enming Feng

Lunch Time

Afternoon Session

Bao-Zhu Guo

Ionel Roventa

Shuzhi Sam Ge/Wei He

structures will produce excessive vibrations, which make a negative effect on the system's

Hamilton's principle. Lyapunov method is used for stability analysis for the closed loop

Closing Session

Bao-Zhu Guo