



9th Workshop on Control of Distributed Parameter Systems

Program and Abstract



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



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CDPS Steering Committee

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CDPS Organizing Committee

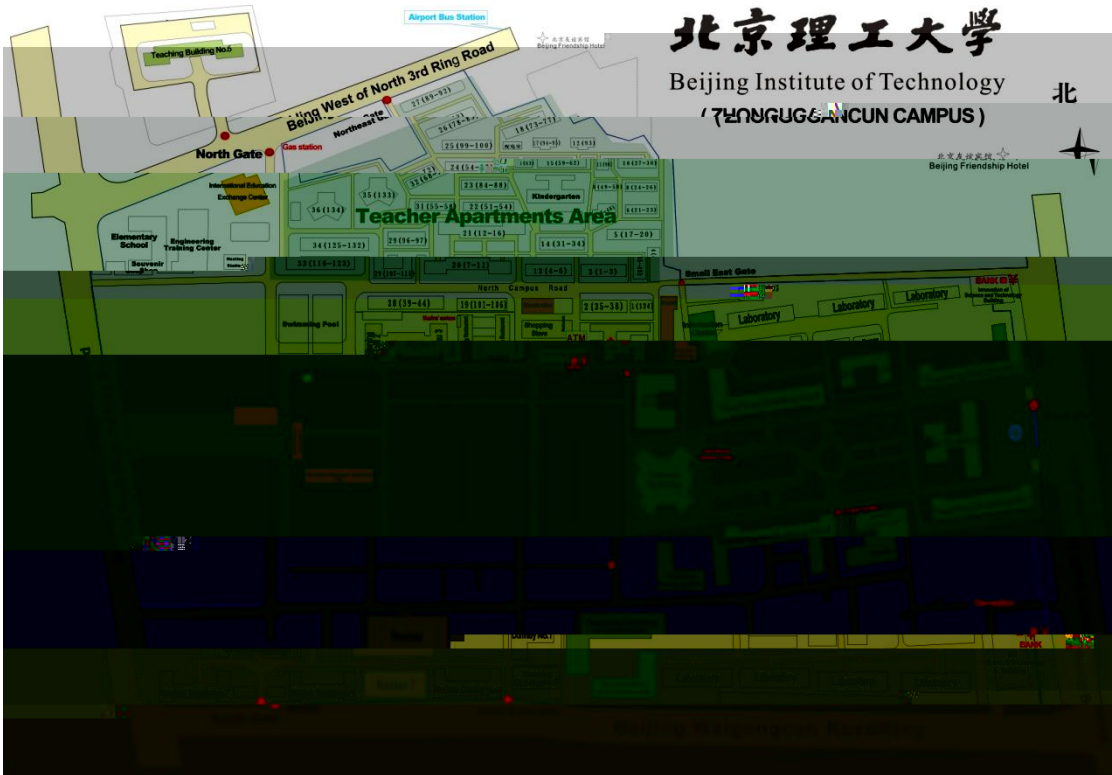
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Sponsors

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Academy of Mathematics and Systems Science
Chinese Academy of Sciences



National Natural Science Foundation of China

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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)

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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

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Morning Session

hp Hans Zwart

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George Weiss

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fluid occupying a bounded domain Ω , wit

$(\cdot) \in \Omega$. If the

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

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Denis Matignon

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(LHMNLC'15), (invited session), 6 p. [http://github.com/flavioluiz/port\\$](http://github.com/flavioluiz/port$)

Jiongmin Yong

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

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Goong Chen

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

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Alessandro Macchelli

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Shige Peng

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Hans Zwart

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

when these conditions don't hold.

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Andras Balogh

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Qihong Chen

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Lunch Time

Afternoon Session

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Zhuangyi Liu

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Kenji Kashima

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Cheng-Zhong Xu

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Hongwei Lou

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Morning Session

hp Sergei A. Avdonin

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Seppo A. Pohjolainen

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Shanjian Tang

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suitable conditions, we prove that the value field $V(t, x, \Omega), (t, x, \Omega)$
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$$K_t = K_0 - \int_0^t dk_s + \int_0^t \sum_{i=1}^d L_s^i dW_s^i, \quad t \in [0, T]$$

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

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Lunch Time

Afternoon Session

hp Denis Matignon

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Morning Session			
hp Zhuangyi Liu			
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Arnaud Münch

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wave equation posed in Ω ' 2 \$ Ω a bounded subset of \mathbb{R}^N \$)\$

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Lunch Time

Afternoon Session

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Shuzhi Sam Ge/Wei He	h k h p h	h p
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structures will produce excessive vibrations, which make a negative effect on the system’s

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

Closing Session

hp Bao-Zhu Guo