

# Nguyen Kim Thang

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<b>Area</b>	Design and Analysis of Algorithms, Algorithmic Game Theory.		
<b>Positions</b>	<b>Aarhus University</b>	Postdoctoral researcher	2009-2010
<b>Education</b>	<b>Ecole Polytechnique</b>	Ph.D in Computer Science	2006-2009
	• Subject: <i>Pure Nash Equilibria: Existence and Inefficiency &amp; Online Auctions</i> Advisor: Christoph Dürr. Committee: Eviropidis Bampis, Olivier Bournez, Claire Mathieu, Peter Bro Miltersen, Jérôme Renault, Michel de Rougemont.		
	<b>LRI, Paris 11</b>	MSc in Computer Science	2005-2006
	• Subject: <i>Quantum computation and complexity</i> Advisor: Julia Kempe		
	<b>Ecole Polytechnique</b>	Engineer Diploma	2002-2005
	• Major: <i>Computer Science and Mathematics</i>		
<b>Honors</b>	<b>Ecole Polytechnique Fellowship</b>	Graduate/Undergraduate Studies	2002-2009
	<b>Hanoi University of Science's Scholarship</b>	Honors Programs	2000-2002
	<b>National Competition of Mathematics</b>	First prize	2001
<b>Publications</b>	<ul style="list-style-type: none"><li>• Dürr Christoph, Łukasz Jeż, Nguyen Kim Thang. Auctions with perishable items. <i>Proc. of the 7th Workshop on Approximation and Online Algorithms, 2009</i></li><li>• Dürr Christoph, Nguyen Kim Thang. Non-clairvoyant Scheduling Games. <i>Proc. of the 2nd International Symposium on Algorithmic Game Theory, 2009</i>.</li><li>• Nguyen Kim Thang. NP-hardness of pure Nash equilibrium for Scheduling and Connections Games. <i>Proc. of the 35th Int. Conf. on Current Trends in Theory and Practice of Computer Science, 2009</i>.</li><li>• Dürr Christoph, Nguyen Kim Thang. Nash equilibria in Voronoi Games on graphs. <i>Proc. of the 15th Annual European Symposium on Algorithms, 2007</i>.</li></ul>		
<b>Working and Submitted Papers</b>	<ul style="list-style-type: none"><li>• Thomas Dueholm Hansen, Nguyen Kim Thang, Orestis A. Telelis. Facility Location Games with Fair Cost Allocation.</li><li>• Marek Chrobak, Christoph Dürr, Flavio Guíñez, Antoni Lozano, Nguyen Kim Thang. Tile Packing Tomography is NP-hard.</li><li>• Nguyen Kim Thang. Improved Algorithms for Maximizing Throughput in Online Scheduling of Equal Length Jobs.</li><li>• Nguyen Kim Thang. Faithful Nash dynamics.</li></ul>		

- Selected Invited Talks**
- Scheduling Games in the Dark. *Dept. of Computer Science, University of Aarhus, 2009.*
  - Algorithmic Game Theory. *Workshop on Game Theory and Computer Science, LIAFA, University of Paris 7, 2009.*
  - Voronoi Games on Graphs. *Workshop on Game Theory and Computer Science, IBISC, University of Evry, 2007.*
- Teaching Experience**
- Lecturer, Department of Computer Science, University of Aarhus*
- Approximation Algorithms (Graduate course) Spring 2010
- Teaching Assistant, Department of Computer Science, Paris 11 (64 hours/year).*
- Algorithms and Complexity, Algorithms on Graph (Graduate course) 2008-2009
  - Algorithms and Complexity, Internet Programming, Networks 2007-2008
  - Architecture of Computer, Programming in C, Compilation 2006-2007
- Work Experience**
- Department of Computer Science, University of Pennsylvania 04 - 08 /2005  
Subject: *Harmony: An optimistic data synchronizer*
  - Haiphong Tourism Company, Vietnam 07 - 08 /2004
  - Department of Applied Mathematics, Ecole Polytechnique 02 - 04 /2003
- Relevance**
- Computer Skills** C, C++, Java, OCaml
- Languages** English (negotiate), French (negotiate), Vietnamese (native)
- Sport** Soccer (captain of Polytechnique team), Swimming
- Activities** Association “Dong Hanh”  
(helps poor but talented Vietnamese students)
- References**
- **Evrpidis Bampis**  
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  - **Nikhil Bansal**  
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  - **Christoph Dürr**  
Researcher of Computer Science  
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  - **Peter Bro Miltersen**  
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