

IOI 2010 Evening Lectures: Exploring Computer Science

We are excited to offer a new way to showcase the exciting and challenging field of computing. On three evenings, speakers will be giving short presentations on campus exploring the breadth and depth of computer science. IOI contestants are strongly encouraged to attend from 19:00 until 20:15 on Sunday, August 15, Monday, August 16 and Wednesday, August 18. Leaders and guests are welcome to come when they are available and may be particularly interested in attending on Monday, August 16 when talks will be given in seven different languages. All lectures will be held in J.R. Coutt's Hall (RCH) and given by faculty members and graduate students from the David R. Cheriton School of Computer Science.

Sunday, August 15

19:00 - 19:30	RCH 101	Creating artistic images using halftoning	English	Dr. Craig Kaplan
19:45 - 20:15	RCH 101	A short introduction to mind reading	English	Dr. Charlie Clarke

Monday, August 16

19:00 - 19:30	RCH 101	Algorithms for quantum computers	English	Dr. Andrew Childs
	RCH 204	Хорошо забытое старое... (1)	Russian	Dr. Eugene Zima
	RCH 205	مزج البيانات غير المهيكلة على الإنترنت (2)	Arabic	Mr. Mohamed Soliman
	RCH 206	Une marchette intelligente pour personnes agées (3)	French	Dr. Pascal Poupart
19:45 - 20:15	RCH 101	How you see: the neuroscience of vision	English	Dr. Jeff Orchard
	RCH 204	Ein Durchbruch bei der komplexität von ratenbasierten paketschedulern (4)	German	Dr. Martin Karsten
	RCH 205	使用离散种子提高字符串近似匹配的速度和灵敏度 (5)	Mandarin	Dr. Bin Ma
	RCH 206	Computación paralela en arquitecturas multicore (6)	Spanish	Mr. Alejandro Salinger

(1) Well forgotten old...

(2) Building mashups of unstructured data sources

(3) A smart walker for older people

(4) Breaking through the complexity limits of rate-based packet scheduling

(5) Faster and more sensitive similarity search with spaced seeds

(6) Parallel computing in multicore architectures

Wednesday, August 18

19:00 - 19:30	RCH 101	Private information retrieval	English	Dr. Ian Goldberg
19:45 - 20:15	RCH 101	From DNA to Jay-Z: automatic detection of rap music rhymes using ideas from computational biology	English	Dr. Dan Brown