Report on DCM 2011

7th Workshop Developments of Computational Models 3 July 2011, Zürich, Switzerland

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), the 7^{th} in this series, took DCM 2011 (D C Μ place on July 3, 2011, at Zürich, colocated with ICALP 2011. Conference site , building CAB, room G61. It was organized by E was ETH Z" Κ Κ . The workshop was attended by about T . and F R 20 participants. The scientific program consisted of 1 invited tutorial, 2 invited talks, and 8 contributions. For details visit http://www.pps.jussieu.fr/~krivine/conferences/DCM2011/Program.html.

The distribution by countries was as follows (C country, I=invited, A=accepted):

С	CH	DE	FR	IL	IT	JP	US	Σ
Ι	2					1		3
А		2	$1\frac{2}{3}$	2	1		$1\frac{1}{3}$	8

The workshop was opened on Sunday morning by F R . The morning was mainly devoted to Q (quantum). In the invited tutorial '*Quantum In-formation Processing on Tensor-network States*' T M gave a good introduction into mathematical basics of quantum computing, as matrix product space, tensor network state, measurement based quantum computing, and virtual space.

C Μ , with the invited lecture 'Quantum Entanglement', presented a very nice and interesting overview on the role of entanglement in quantum computation. 'Algebras of the Brain' by E E was a very good and interesting second invited talk on models of the brain as neural networks and neural algebra, and related devices as universal cellular automata. Also to mention are the two good presentations by N (co-authors Y D G В and U B . E F) on the generic model . A of computation and the extended Church-Turing thesis. The proceedings will be published in EPTCS.

Next DCM 2012 will be held on June 17, 2012 as a satellite workshop of CIE 2012 in C C C , University of Cambridge, UK.

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Coffee, mineral water, juice, croissants, and fruits were offered in the breaks. After the end there was a reception for participants of all workshops, being also the welcome reception for ICALP participants, which well lasted from 19 to 21.30 h. Red and white wine, beer, mineral water, juice, fruits cheese, and bread were offered. Weather was sunny and warm, with highest temperature at 25°C.

The workshop was successful, well organized, and in a relaxed atmosphere. Pictures from the workshop can be found at

http://picasaweb.google.com/
103109175860301247641?authkey=Gv1sRgCL_Z8LyayIfvFg.