# Workshop on
## Word Avoidability, Complexity and Morphisms

Turku, Finland  
July 17, 2004  
(an ICALP’04 workshop)

## Program

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<td>8:55</td>
<td>Opening</td>
<td>Opening of the workshop</td>
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| 9:00  | Session 1 | Invited talk: Jeffrey Shallit  
Avoidability in words: Recent results and open problems | Gwenael Richomme                                 |
| 10:00 |         | Uniformly n-bounded duplication codes  
Peter Leupold                                                       |                                                |
| 10:30 |         | Coffee break                                                          | Arturo Carpi                                    |
| 11:00 | Session 2 | Squares and overlaps in the Thue-Morse sequence and some variants  
Shandy Brown, Narad Rampersad, Jeffrey Shallit and Troy Vasiga   |                                                |
| 11:30 |         | The number of ternary words avoiding abelian cubes grows exponentially  
Ali Aberkane, James D. Currie and Narad Rampersad                |                                                |
| 12:00 |         | Avoidable sets and well quasi-orders  
Flavio D’Alessandro, Stefano Varrichio                            |                                                |
| 12:30 | Lunch   |                                                                     |                                                |
| 14:00 | Session 3 | Invited talk: Anna E. Frid  
Possible growth of arithmetical complexity                         |                                                |
| 15:00 |         | Transcendence of numbers with an expansion in a subclass of complexity  
2n + 1 Tomi Kärki                                                |                                                |
| 15:30 |         | Factorization of mechanical words and continued fractions  
Bruno Gaujal, Emanuel Hyon                                   |                                                |
| 16:00 |         | Coffee break                                                          | Ion Petre                                       |
| 16:30 | Session 4 | Characterization of infinite solutions of Marked Post Correspondence problem  
Vesa Halava, Tero Harju, Juhani Karhumäki |                                                |
| 17:00 |         | A generator of morphisms for infinite words  
Pascal Ochem                                                      |                                                |