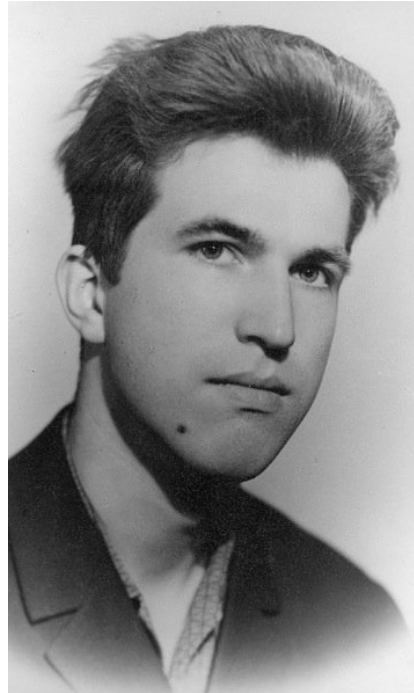


*Mathematics & Computer Science*  
*NUMBER THEORY & COMBINATORICS SEMINAR*

*Dr. Yuri Matiyasevich*



*DATE:* Monday, February 27, 2012

*TIME:* 12:00 to 12:50 p.m.

*ROOM:* C610

*TITLE:* New conjectures about zeros of Riemann's zeta function

**ABSTRACT:**

In <http://logic.pdmi.ras.ru/~yumat/personaljournal/artlessmethod/artlessmethod.php> the speaker described a surprising method for (approximate) calculation of the zeros of Riemann's zeta function using terms of the divergent Dirichlet series.

In the talk this method will be presented together with some heuristic "hints" explaining why the divergence of the series doesn't spoil its use. Several conjectures about the zeros of Riemann's zeta function will be stated including supposed new relationship between them and the prime numbers.

Visit the seminar page at <http://www.cs.uleth.ca/~nathanng/ntcoseminar.html>

OPEN TO ALL INTERESTED PERSONS