Workshop on

Computability and Complexity in Analysis

August 19-20, 1995
FernUniversität
Hagen, Germany

Program

Date & Time	Name *Title of the talk*
Saturday 9:00	OPENING
9:15	Jens Blanck, Department of Mathematics, Uppsala University *Domain Representability of Metric Spaces*
10:15	Martín Hötzel Escardó, Department of Computing, Imperial College *PCF Extended with Real Numbers*
11:15	Klaus Weihrauch, Theoretische Informatik I, FernUniversität Hagen *A Foundation of Computable Analysis*
12:15	Matthias Schröder, Theoretische Informatik I, FernUniversität Hagen *Topological Spaces Allowing Type 2 Complexity Theory*
13:00	LUNCH
15:00	Kostas Skandalis, Department of Mathematics, University of Crete *Program Computability over the Real Numbers*
15:40	Erich Grädel, Lehrgebiet Mathematische Grundlagen der Informatik, RWTH Aachen Klaus Meer, Lehrstuhl C für Mathematik, RWTH Aachen *Descriptive Complexity Theory over the Real Numbers*
16:20	Peter Hertling, Vasco Brattka, Theoretische Informatik I, FernUniversität Hagen *Feasible Real Random Access Machines*
17:20	Discussion on Models for Computable Analysis
19:30	Social Event
Sunday 9:00	Ker-I Ko, Department of Computer Science, State University of NY *Recent Progress on Complexity Theory of Real Functions*
10:00	Arthur Chou, Department of Math. and Computer Science, Clark University *Some Complexity Issues in Complex Analysis*
11:00	Markus Bläser, Institut für Informatik II, Universität Bonn *Uniform Computational Complexity of the Derivates of C^∞-Functions*
11:30	Norbert Müller, Abteilung Informatik, Universität Trier *Constructive Aspects of Analytic Functions*
12:30	LUNCH
14:30	Marian Boykan Pour–El, School of Mathematics, University of Minnesota *Church's Thesis and Recursive Analysis* (presented by Vasco Brattka)
15:00	Rudolf Freund, Institut für Computersprachen, Technische Universität Wien Ludwig Staiger, Institut für Informatik, Universität Halle-Wittenberg *Numbers Defined by Turing Machines*
15:40	Vasco Brattka, Theoretische Informatik I, FernUniversität Hagen *Computable Selection in Analysis*
16:20	END