Submittee: Franz-Viktor Kuhlmann
Date Submitted: 2014-04-09 11:36
Title: Fourteenth Colloquiumfest
Event Type: Conference-Workshop

Location:
University of Saskatchewan

Dates:
February 28 and March 1, 2014

Topic:
Fixed Point Theory, the theory of Fractals and their possible generalizations.

Methodology:
2 day conference with work in smaller groups and a seminar in the days before and after it.

Objectives Achieved:
Brought together experts from quite different areas to detect and discuss common principles and research interests. Very useful overview of the use of Fixed Point Theorems in various areas and the quest of generalizing notions of fractals (in particular via Iterated Function Systems).

Scientific Highlights:
Developed a basis for future collaboration between all the participants. Collaboration unfolding between the following: the four organizers + Tager + Kubis + Bartsch + Assaf.

Organizers:
Franz-Viktor Kuhlmann (Department of Mathematics and Statistics, University of Saskatchewan), /// J.C. Wang (Department of Mathematics and Statistics, University of Saskatchewan), /// Chris Dutchyn (Department of Computer Science, University of Saskatchewan), /// Katarzyna Kuhlmann (Institute of Mathematics, University of Silesia at Katowice, Poland).

Speakers:
Robin Cockett (Department of Computer Science, University of Calgary): "Fixed points in programming: datatypes and protocols" /// Anthony Lau (Department of Mathematical and Statistical Sciences, University of Alberta): "Fixed point and related geometric properties on the Fourier and Fourier Stieltjes algebras of locally compact groups" /// Ralph Kopperman (Department of Mathematics, City College of New York): "A generalized metric notion of partial

knowledge" and "The computer screen: a rectangle with a finite number of points" /// Amr Sabry (School of Informatics and Computing, Indiana University, Bloomington): "Discrete Quantum Theories" /// Franklin Mendivil (Department of Mathematics & Statistics, Acadia University): "Fractal set-valued measures" /// Wieslaw Kubis (Institute of Mathematics, Czech Academy of Sciences): "On topological iterated function systems" /// Tristan Tager (Department of Mathematics, Indiana University, Bloomington): "Expecting the Unexpected: Surprises in the Hunt for Nonarchimedean Fractals" /// Rene Bartsch (Fachbereich Mathematik, TU Darmstadt): "Hyperspaces in topological categories"

Links:
http://math.usask.ca/fvk/CF14.HTM
