# Member Profile

Dr. Eugene Zima, Affiliated Member

Dr. Eugene Zima, affiliated member of the MS2Discovery Research Institute, advances research within two priority research themes at the Institute: Complex Systems, Networks, Information Theory and Algorithms (Tecton 4) and Human Interface Technology and Design (Tecton 10).

Dr. Zima is an assistant professor at Wilfrid Laurier University in the Department of Physics and Computer Science and has taught 11 different undergraduate courses in Computer Science here. He received his MS in Applied Mathematics and PhD in Computer Science from Lomonosov Moscow State University in Russia.

Dr. Zima has set two world records of very high precision computations of constant zeta(3). He has been recognized for opening a new research direction in optimized compiling and accelerated computing by introducing the notion and technique widely now known as “Chains of Recurrences”. Zima was the General co-Chair and Local Arrangements Chair for 41st International Symposium on Symbolic and Algebraic Computation. He has co-authored multiple books including *Pascal Programming for beginners*.

Dr. Zima’s research is in computer algebra, optimized compiling and high-performance computing, and is targeted to acceleration of computationally intensive problems. Since 2001 he has received many research grants awarded by NSERC. Dr. Zima has research assistantships opportunities for undergraduate and graduate students interested in advanced compiling techniques, symbolic computation and high-performance computing.