

**Parallel Session 9****Tuesday, July 3, 16:00PM-18:30PM**

Contributed Session <b>09</b>	<b>PDEs and Applications</b> Chair(s): Zhaosheng Feng	Location <b>GRC-G</b>
16:00-16:20	Dana Bereanu (Institute of Mathematics “Simion Stoilow” and Military Technical Academy, Romania) Topological methods for boundary value problems involving discrete vector $\phi$ -Laplacians	Abstracts p. 326
16:20-16:40	Igor Balsim (Kingsborough Community College-CUNY, USA) Applications of Mixed Boundary conditions and Sturm Liouville Equations in Atherosclerosis	Abstracts p. 326
16:40-17:00	Hyejin Kim (University of Michigan, Ann Arbor, USA) The Boundary Harnack Principle for Second Order Elliptic Equations with Unbounded Drift	Abstracts p. 328
17:00-17:20	Ricardo P Silva (University of the State of Sao Paulo, Brazil) A homogenization problem for a thin domain with a highly oscillating boundary	Abstracts p. 330
17:20-17:40	Marcone Pereira (Universidade de Sao Paulo, Brazil) Attractors for semilinear parabolic problems with concentrated and oscillating terms on the boundary	Abstracts p. 329
17:40-18:00	Atul Kumar (Lucknow University, India) Analytical approach of one - dimensional solute transport through inhomogeneous semi-infinite porous domain for unsteady flow: Dispersion being proportional to square of velocity	Abstracts p. 328
18:00-18:20	Dilip Kumar Jaiswal (Lucknow University, India) Temporal Dispersion along uniform flow in one-Dimensional Porous Media	Abstracts p. 328