Alexander von Humboldt Institute for Advanced Study (AvHIAS): Pure and Applied Seminar

We had the first meeting at **10:10 A. M. October 17th**, in the **Conference Room in 25-208**. Our AvHIAS Pure and Applied Seminar's focus is the general theory of systems of non-Linear PDEs.

We use *Cohomological Analysis of Partial Differential Equations and Secondary Calculus*, published by the AMS, by A. M. Vinogradov, as one of main texts.

Categorically speaking, this seminar belongs to (C) in the following AvHIAS activities:
(A) Elementary & Fundamental for undergraduates
(B) Connecting Disciplines in our College and beyond
(C) Advanced & Highly Technically

Note: Especially undergraduate students can express their desire for categories (A) and (B); for examples categories & sheaves (topos) - quantum physics (e.g., toward Quantum Gravity), biology (e.g., embryology, ant's colony-behavior and consciousness in terms of the notion of a sheaf connecting local to global), and most importantly *your own* interests.

Goro C. Kato