

Nesin Mathematics Village

Summer 2018

Diffeology Diffeological spaces, Homotopy, Fiber Bundles, Coverings, Monodromy Theorem, Moment Map, Para-Symplectic Quotients, Geometric Quantization, symplectic Diffeology, Integration of Closed Forms and Paths Spaces, Virasoro Group and Souriau's Cocycle, Differential Calculus, De Rham Complex, Homotopic Invariance, Chain-Homotopy Operator, Stokes Formula.

Patrick Iglesias-Zemmour

Categories & Toposes Local Field Theory, Differentially Cohesive Infinity-Topos, Categories, Limits/Colimits, Adjoint Functors and Kan Extension, Categories of Pre-Sheaves, Simplicial Sets and Simplicial Pre-Sheaves, Simplicial Sheaves on The Site of Smooth Manifolds and Formal Manifolds... and Supermanifolds, Higher Pre-Quantization.

Urs Schreiber

Non-Commutative Geometry C^* -Algebras, Gelfand-Naimark Duality, Vector Bundles, K-Theory, Serre-Swan Theorem, Quantum Tori, Noncommutative Quotients, Foliations, von Neumann Algebras, Morita Equivalence, Hopf Algebras and Quantum Groups, Affine, Projective and Derived Noncommutative Algebraic Geometry, Noncommutative Stone-Weierstrass Theorem, Cyclic Cohomology, Connes-Chern Character: Topological Index = Analytic Index, Spectral Triples.

Murad Özaydın

We will be able to partially cover accomodation for approximately 30 participants.
If you would want to apply for accomodation, the deadline for registration is the 30 of March 2018.

Registration: <https://matematikkeyu.org/etkinlik-detay.php?egitimkod=203>
Contact: Asli Can Korkmaz (+090 533 962 11 43) aslicankorkmaz@nesinvakfi.org

Organiser: Serap Güler <sgurer@gsu.edu.tr>
Tübitak Career Development Program
3501 N° 115F410

