

Workshop Schedule

Monday, Sept. 30th

Arrival at 11:35, check into hotel

17:30-21:00 A visit to Jaffa

Tuesday, Oct. 1st

Venue: Schreiber 006 (the Math. Bldg.)

09:00-09:15 Opening remarks: Dany Leviatan, Roderick Wong

9:15-10:05 lecture: Steve Schochet (TAU), Singular Limits of Nonlinear Evolution Equations and their Numerical Approximations

10:05-10:15 discussion

10:15-10:30 coffee break

10:30-11:20 lecture: Shih-Hsien Yu (NUS), Mathematical Theories on Linear and Nonlinear Wave Motions in Viscous Compressible Fluid

11:20-11:30 discussion

11:30-12:20 lecture: Philip Rosenau (TAU), On a Well-Tempered Diffusion

12:20-12:30 discussion

12:30-13:50 lunch, Webb cafeteria

13:50-14:40 lecture: Nir Sochen (TAU), Certainties and Uncertainties in the Principle of Uncertainty

14:40-14:50 discussion

14:50-15:40 lecture: Jonathan Wylie (CUHK), Asymptotic Analysis of a Viscous Drop Falling Under Gravity

15:40-15:50 discussion

15:50-16:10 coffee break

16:10-17:00 lecture: Gadi Fibich (TAU), The Averaging Principle

17:00-17:10 discussion

17:10-18:00 lecture: Tong Yang (CUHK), Regularizing Effect for the Boltzmann Equation

18:00-18:10 discussion

Wednesday, Oct. 2nd

Excursion to Jerusalem: 08:30-18:30

Thursday, Oct. 3rd

Venue: Schreiber 006 (the Math. Bldg.)

09:00-09:50 lecture: Alexander Olevskii (TAU), High-Dim Sampling and Interpolation of Signals with Bounded Spectrum

09:50-10:00 discussion

10:00-10:15 coffee break

10:15-11:05 lecture: Philippe Ciarlet (CUHK), A New Class of Constrained Minimization Problems

11:05-11:15 discussion

11:15-12:05 special lecture: Haim Brezis (Rutgers U. and Technion), New Approximations of the Total Variation and Filters in Image Processing

12:05-12:15 discussion

12:15-13:40 lunch, Webb cafeteria

13:40-14:30 lecture: Roderick Wong (CUHK), Asymptotic Expansions for Second-Order Difference Equations

14:30-14:40 discussion

14:40-15:30 lecture: Ron Peled (TAU), Universality for Chebyshev-Type Quadratures

15:30-15:40 discussion

15:40-16:00 coffee break

16:00-16:50 lecture: Qiang Zhang (CUHK), A Singular Perturbation Approach to PDE: an Application to Option Prices with Stochastic Volatility

16:50-17:00 discussion

17:00-17:50 lecture: Shai Dekel (TAU), On Exact Recovery of a Free-Knot Spline from the Projection onto Polynomial Spaces

17:50-18:00 discussion

18:15- Workshop dinner

Friday Oct. 4th

Venue: Schreiber 006 (the Math. Bldg.)

08:45 Check-out from hotel

09:15-10:05 lecture: Felipe Cucker (CUHK), On a Problem Posed by Steve Smale

10:05-10:15 discussion

10:15-10:25 coffee break

10:25-11:15 lecture: David Levin (TAU), Extrapolation Models

11:15-11:25 discussion

11:25-12:15 lecture: Nira Dyn (TAU), Multivariate Polynomial Interpolation on Monotone Sets

12:15- 12:25 discussion

12:25-12:50 sandwiches

12:50- to the airport

Departure at 15:45

