

Program of Workshop on Multi-Time Wave Functions (Rutgers University, March 26-27, 2018)

Room: 433 in the **CoRE Building**, Bush Campus

Monday, March 26	Tuesday, March 27
<p>Morning Session: 8:30-12:30</p> <p>8:30-9:00 Registration</p> <p>9:00-9:15 Welcome Address</p> <p>9:15-10:10 The wave function in a relativistic world (Dustin Lazarovici)</p> <p>10:15-11:10 Consistency Conditions for Multi-Time Schrödinger Equations (Sascha Lill)</p> <p>11:10-11:30 Coffee Break</p> <p>11:30-12:25 Multi-Time Wave Functions and Wave Functions on Spacelike Hypersurfaces (Roderich Tumulka)</p>	<p>Morning Session: 9:00-12:20</p> <p>9:00-9:55 Multi-time wave functions and interior boundary conditions (Lukas Nickel)</p> <p>10:00-10:55 Multi-time wave equations from quantum field theory (Ward Struyve)</p> <p>10:55-11:20 Coffee Break</p> <p>11:20-12:15 Multi-time integral equations and direct relativistic interaction at the quantum level (Matthias Lienert)</p>
<p>Lunch Break: 12:30-13:45</p>	<p>Lunch Break: 12:20-13:45</p>
<p>Afternoon Session: 13:45-17:00</p> <p>13:45-14:40 Multi-time formulation of quantum field theory (Sören Petrat)</p> <p>14:40-15:00 Coffee Break</p> <p>15:00-15:55 Solution theory of a multi-time QFT model by Dirac, Fock, Podolsky (Lukas Nickel)</p> <p>16:00-16:55 Integrability of the multi-level Landau-Zener problem and multi-time Schrodinger equations (Emil Yuzbashyan)</p>	<p>Afternoon Session: 13:45-16:20</p> <p>13:45-14:40 Relativistic Quantum Mechanics of an Electron-Photon System in 1+1 Dimensional Minkowski Spacetime (Michael Kiessling)</p> <p>14:40-15:00 Coffee Break</p> <p>15:00-15:55 What is the point of multi-time wave functions? (Sheldon Goldstein)</p> <p>16:00-16:20 Concluding Session</p>
<p>Workshop Dinner: 18:00 Efe's Mediterrean Grill, New Brunswick</p>	

Last updated: 03/20/2018

<http://sites.math.rutgers.edu/~ml1255/workshop2018.html>

Organizers: Matthias Lienert and Roderich Tumulka