

3rd ANNUAL WEST COAST MEETING ON
GENERAL RELATIVITY AND GRAVITATION

UC Irvine

Talks will be 15 minutes long, with ~ 5 minutes more for questions.

Friday, March 6

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| 9:10 | Myron Bander | <i>Hamiltonian Lattice Gravity</i> |
| 9:30 | Christopher Stephens | <i>The Hawking Effect in Abelian Gauge Theories</i> |
| 9:50 | A.H. Taub | <i>Positivity of Energy in Abelian Principal Bundles Over Spacetime</i> |
| 10:10 | Charles Torre | <i>The BRST Formalism in General Relativity</i> |
| 10:30 | Break | |
| 11:00 | Ulvi Yurtsever | <i>Colliding Gravitational Waves in General Relativity</i> |
| 11:20 | Milan Mijic | <i>Quantum Cosmology and Chaotic Inflation</i> |
| 11:40 | Brandon Carter | <i>Killing-Maxwell System Separability in Kerr-Newman Solutions</i> |
| | Lunch | |
| 2:00 | Karel Kuchar | <i>Canonical Quantization on Curved Hypersurfaces</i> |
| 2:20 | Michael Morris | <i>Science-Fiction Suitable Wormholes</i> |
| 2:40 | Rob Myers | <i>Black Holes in String Theory</i> |
| 3:00 | Sigurd Sannan | <i>Graviton-Graviton Scattering and Superstring Theories</i> |
| 3:20 | Break | |
| 4:00 | Martin Schweizer | <i>A Relativistic Random Walk Model and ... Time-Dependent Radiative Transfer</i> |
| 4:20 | Richard Woodard | <i>An Invariant Regulator for Witten's String Field Theory</i> |
| 4:40 | James Hartle | <i>A 5-simplex Minisuperspace Model</i> |
| 5:30 | to 7 | Reception |

Saturday, March 7

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| 9:00 | Jonathan Morrow-Jones | <i>Lorentz Transformations as Inner Derivations in String Field Theory</i> |
| 9:20 | Don Page | <i>How Probable is Inflation?</i> |
| 9:40 | Larry Ford | <i>Cosmological Constant Damping by Unstable Scalar Fields</i> |
| 10:00 | W. Kluzniak | <i>Accretion Spectra of Compact Neutron Stars</i> |
| 10:20 | Break | |
| 10:50 | Charles Evans | <i>Modeling Sources</i> |
| 11:10 | Sam Finn | <i>Relativistic Stellar Pulsations and The Relativistic Cowling Approximation</i> |
| 11:30 | Henry Hill | <i>Solar Oscillations and the Gravitational Multipole Field of the Sun</i> |
| 11:50 | Carlton Caves | <i>Squeezed-State Interferometry</i> |
| | Lunch | |
| 2:00 | Robbin Stebbins | <i>...Very Low Frequency Isolation Systems for ...Gravitational Wave Interferometers</i> |
| 2:20 | John Price | <i>Optimal Design of Resonant-Mass Gravity Wave Detectors</i> |
| 2:40 | John Armstrong | <i>A Search for Sinusoidal Gravitational Waves in the Period Range 30-2000 Seconds
Using Doppler Spacecraft Tracking</i> |
| 3:00 | David Graham | <i>Results of a Search for Anomalous Spin-Spin Interactions</i> |
| 3:20 | Break | |
| 3:50 | Dieter Hils | <i>Preliminary Report on a Laser Version of the Kennedy-Thorndike Experiment</i> |
| 4:10 | Peter Nelson | <i>Tests of Newtonian Gravitation in the Search for the 5th Force</i> |
| 4:30 | Ron Hellings | <i>Kaluza-Klein Theories and the Experimental Value of \dot{G}</i> |