



Institute For Pure and Applied Mathematics
University of California, Los Angeles presents a workshop in

Representation of Loop Groups

November 12 –16, 2001

This workshop will focus on mathematical structures related to conformal field theory. Related areas of mathematics includes representation theory of infinite dimensional algebras, quantum groups, integrable systems, quantization and others. All these fields benefited from ideas originated in quantum field theory and in conformal field theory in particular.

We will bring together leading experts to report on recent developments in the subjects and to survey basic progress in the field during last few years. One of the goals is to outline new possible directions of research and to further stimulate the fruitful interactions between mathematics and physics.

The following individuals will give invited presentations.

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| ▪ David Ben-Zvi | Univ of Chicago | ▪ James Lepowsky | Rutgers |
| ▪ Vyjayanthi Chari | UC Riverside | ▪ Gail Letzer | Georgia Tech |
| ▪ Ralph Cohen | Stanford | ▪ Haisheng Li | Rutgers |
| ▪ Chongying Dong | Santa Cruz | ▪ Geoffrey Mason | UC Santa Cruz |
| ▪ Pavel Etingof | MIT | ▪ Tetsuji Miwa | Kyoto University, Japan |
| ▪ Edward Frenkel | Berkeley | ▪ Nicolai Reshetikhin | Berkeley |
| ▪ Yun Gao | York University | ▪ Anne Schilling | UC Davis |
| ▪ Victor Ginzburg | Univ of Chicago | ▪ Fedor Smirnov | France |
| ▪ Michio Jimbo | Univ of Tokyo | ▪ Leon Takhtajan | Stony Brook |
| ▪ Naihuan Jing | N. Carolina State Univ | ▪ Akihiro Tsuchiya | Nagoya |
| ▪ Seok-Jin Kang | Korea | ▪ Weiqiang Wang | N. Carolina State Univ |
| ▪ Rinat Kashaev | Rumania | ▪ Hans Wenzl | UCSD |
| ▪ Rinat Kedem | UIUC | ▪ Feng Xu | UC Riverside |
| ▪ Mikhail Khovanov | UC Davis | ▪ Milen Yakimov | Cornell |

Members of the organizing committee include Kefeng Liu (UCLA), Tetsuji Miwa (Kyoto University, Japan), Nicolai Reshetikhin (Berkeley).

The program is open to the entire mathematical and physical sciences communities.

Please visit our website for more information, including an online registration form:

<http://www.ipam.ucla.edu/programs/cftloop>

You can email questions to cftloop@ipam.ucla.edu