Note: The main session will be held in Harrelson 201.

8:00 - 8:30	Registration and Refreshments
8:45 - 9:00	Opening Remarks by Daniel Solomon, Dean of the College of Physical and Mathematical Sciences
9:00 - 9:50	Bertram Kostant "Powers of the Dedekind-η function and representation theory"
10:00 - 10:20	Coffee Break
10:20 - 11:10	Robert Wilson "Modules and combinatorial identities"
11:20 - 12:10	James Lepowsky "Some developments in vertex operator algebra theory, old and new"
12:20 - 2:00	Lunch
2:00 - 2:05	Remarks by Jean-Pierre Fouque, Head of the Department of Mathematics
2:05 - 2:45	Haisheng Li "Quantum vertex algebras associated with Zamolodchikov-Faddeev algebras"
2:55 - 3:35	Geoffrey Mason "Vertex algebras and partition functions"
3:45 - 4:00	Coffee Break
4:00 - 4:40	Rinat Kedem "Kostka polynomials and representations of affine algebras"
4:50 - 5:30	Toshiki Nakashima "Affine geometric crystals and tropical R"
6:00 - 8:00	Reception in the Mary Monk Room in North Hall *Sponsored by NCSU Physical and Mathematical Sciences Foundation*

8:00 - 8:30	Coffee and Refreshments
8:30 - 9:20	Vladmir Retakh "Factorizations of polynomials over noncommutative rings and algebras associated with quivers"
9:30 - 10:20	Vyjayanthi Chari "Weyl, Demazure and Kirillov-Reshetikhin modules"
10:30 - 11:00	Coffee Break
11:00 - 11:50	Igor Frenkel "Instanton and quiver constructions of affine Lie algebra representations and special bases"
12:00 - 2:00	Lunch
2:00 - 2:40	Arne Meurman "On generators and relations for vertex operator algebras"
2:50 - 3:30	Mirko Primc "Combinatorial bases of Feigin-Stoyanovsky type subspaces and interwining operators"
3:40 - 4:00	Coffee Break
4:00 - 6:30	Short Presentation Sessions 1 & 2

Session 1 (in Harrelson 201)

4:00 - 4:20	A. Milas	"Number theoretic properties of Andrews-Gordon series"
4:30 - 4:50	K. Barron	"Deformations of the $N = 2$ Neveu-Schwarz algebra and even and odd spectral flow on the worldsheet geometry of $N = 2$ superconformal field theory"
5:00 - 5:20	K. Hubbard	"Vertex operator coalgebras and their relations to VOAs"
5:30 - 5:50	C. Calinescu	"Principal subspaces of representations of affine Lie algebras and vertex operator algebras"
6:00 - 6:20	A. Frumkin	"A probability approach to Klyachko theorem"

Session 2 (in Harrelson 100)

4:00 - 4:20	A. Moura	"q-characters of fundamental representations of quantum affine algebras"
4:30 - 4:50	D. Jakelic	"Branched crystals and the category $\mathcal{O}$"
5:00 - 5:20	Y. Li	"A description of affine canonical bases"
5:30 - 5:50	A. Savage	"Branching rules and quiver varieties"
6:00 - 6:20	A. Hoshino	"Polyhedral realizations of crystal bases for modified quantum algebras"

8:00 - 8:30	Coffee and Refreshments
8:30 - 9:20	Stephen Berman "Covering algebras"
9:30 - 10:20	Chongying Dong "On the uniqueness of the moonshine vertex operator algebra"
10:30 - 11:00	Coffee Break
11:00 - 11:50	Christoph Schweigert "Twining characters and Picard groups in rational conformal field theories"
12:00 - 2:00	Lunch
2:00 - 2:40	Jürgen Fuchs "An analogue of the Verlinde formula for non-rational vertex algebras"
2:50 - 3:30	Weiqiang Wang "Hilbert schemes, vertex operators, and integrable hierarchies"
3:40 - 4:00	Coffee Break
4:00 - 6:30	Short Presentation Sessions 3 & 4

Session 3 (in Harrelson 201)

4:00 - 4:20	E. Neher	"Central extensions of Lie tori"
4:30 - 4:50	M. Lau	"Bosonic and fermionic representations"
5:00 - 5:20	D. Grantcharov	"On the automorphisms of Kac-Moody Lie superalgebras"
5:30 - 5:50	K. Baur	"Admissible characters in the sense of Lynch"
6:00 - 6:20	A. Khare	"The BGG Category $\mathcal{O}$ over a skew group ring"

Session 4 (in Harrelson 100)

4:00 - 4:20	E. Rowell	"Modular tensor categories: towards classification"
4:30 - 4:50	I. Tuba	"Reconstructing braided semisimple tensor categories"
5:00 - 5:20	S. Kolb	"Quantum symmetric pairs and the reflection equation"
5:30 - 5:50	D. Parashar	"Colored Yang-Baxter operators"
6:00 - 6:20	J. Feldvoss	"Existence of triangular Lie bialgebra structures"

8:00 - 8:30	Coffee and Refreshments
8:30 - 9:20	Tetsuji Miwa "Sklyanin's algebra and trace functional"
9:30 - 10:20	Howard Garland "Counting the number of rational points in certain moduli spaces of vector bundles on surfaces"
10:30 - 11:00	Coffee Break
11:00 - 11:50	Helmut Strade "The classification of the simple Lie algebras over fields of positive characteristic: history, state of art, outlook"
12:00 - 2:00	Lunch
2:00 - 2:40	Richard Block "Dual coalgebras and cofree coalgebras"
2:50 - 3:30	Seok-Jin Kang "Nakajima's monomials and crystal bases"
3:40 - 4:00	Coffee Break
4:00 - 6:00	Short Presentation Sessions 5 & 6
6:30 - 9:30	Banquet at the McKimmon Center

Session 5 (in Harrelson 201)

4:00 - 4:20	S. Serconek	"Distributivity of lattices of defining relations"
4:30 - 4:50	D. Nacin	"Partially commuting algebras and their connections to Q_n"
5:00 - 5:20	D. Taylor	"Trace functions of integrable modules over classical subalgebras of $\widehat{\mathfrak{gl}}_\infty$"
5:30 - 5:50	B. Shu	"Cartan invariants and blocks for Zassenhaus algebras"

Session 6 (in Harrelson 100)

4:00 - 4:20	A. Retakh	"Modular conformal algebras"
4:30 - 4:50	M. Bergvelt	"H_T-vertex algebras and the infinite Toda lattice"
5:00 - 5:20	I. Anguelova	"Quantum vertex algebras"
5:30 - 5:50	N. Rozhkovskaya	"Central elements of the universal enveloping algebra of $\mathfrak{gl}(n, \mathbb{C})$ and Yangians"

8:00 - 8:30	Coffee and Refreshments
8:30 - 9:20	Olivier Mathieu TBA
9:30 - 10:20	Georgia Benkart "Perfect crystals"
10:30 - 11:00	Coffee Break
11:00 - 11:50	Brian Parshall "Some results on Specht modules and algebraic groups"
12:00 - 2:00	Lunch
2:00 - 2:40	Alexander Kirillov, Jr. "The Wess-Zumino-Witten model as an orbifold theory"
2:50 - 3:30	Monica Vazirani "Vanishing integrals of Macdonald polynomials"
3:40 - 4:20	Rolf Farnsteiner "Affine quivers, polyhedral groups, and representation type"
4:30	Adjourn