

Lattice 2024 Liverpool

28th July - 3rd August 2024

www.liverpool.ac.uk/mathematical-sciences/events/lattice-2024/

lattice2024@liverpool.ac.uk

City of Liverpool

- Port city in NW England
- Former UNESCO World Heritage/European Capital of Culture Status
- Voted the UK's Friendliest City by TripAdvisor
- More museums than any other UK city outside London
- Rich cultural and maritime heritage, with stunning architecture
- World renowned music and sporting heritage
- Purple Flag status for city centre safety
- Award-winning *Liverpool One* city centre shopping district
- Beautiful parkland and miles of coastline
- Eryri, Peak & Lake District National Parks within easy reach

University of Liverpool



"Red brick" urban university founded in 1881.
Prestigious research-intensive institution
30,000 students in a 100 acre city-centre campus



Liverpool Hope University

Europe's only ecumenical university foundation,
deeply committed to a culture of research and scholarship

Lattice Field Theory in Liverpool



Locus for LQCD from early days of the field, including **Chris Michael, Alan Irving, Paul Rakow**



Mainstay of the **UKQCD Collaboration**

Gluedynamics, hadron structure & spectroscopy, matrix elements, algorithms, conformality, supersymmetry, thermal field theories, quantum computing

Theoretical Physics group has 20 PhD students (4 lattice) and 6 postdocs (2 lattice)

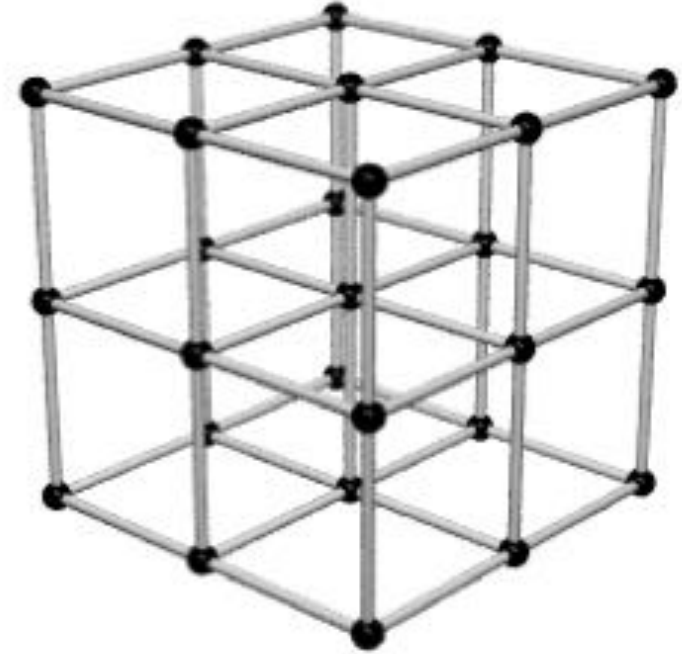
Former postdocs/staff include

Francesco di Renzo (Parma), Eric Gregory (Jülich/Wuppertal), Ralph Kenna (Coventry), Craig McNeile (Plymouth), Andrea Shindler (Michigan State), Carsten Urbach (Bonn), Hartmut Wittig (Mainz)



Local Organizing Committee

- **Chris Bouchard (Glasgow)**
- **Pavel Buividovich (UoL)**
- **Nicolas Garron (LHU)**
- **Vera Gülpers (Edinburgh)**
- **John Gracey (UoL)**
- **Simon Hands (UoL, chair)**
- **Maxwell Hansen (Edinburgh)**
- **Paul Rakow (UoL)**
- **Sinéad Ryan (TC Dublin)**
- **David Schaich (UoL)**
- **Jon-Ivar Skullerud (Maynooth)**



Research expertise spanning the field

A satellite-style map of Europe at night, showing city lights. A red star is placed over the United Kingdom. The map is on the left side of the slide, and the text is on the right.

Travel connectivity

Liverpool John Lennon airport

EasyJet, Ryanair, Lufthansa, Wizz, Blue Air, Loganair, Wideroe

Manchester airport + direct train

Aer Lingus, Air Canada, AirFrance, British Airways, Cathay Pacific, Delta, Eastern, EasyJet, El Al, Emirates, Etihad, FinnAir, Iberia, KLM, Loganair, Lufthansa, Norwegian, Qatar, Ryanair, SAS, Singapore, Swiss, Turkish, Virgin Atlantic, Vueling)

London airports + domestic flight/2h20min train from Euston station

Liverpool Lime Street

Railway Station 15 minute walk from UoL campus



Conference
facilities

Accommodation options

UoL Vine Court: 100 bedrooms

- En-suite study bedrooms, most with double beds
- Served breakfast
- Launderette, café and outdoor spaces

UoL Crown Place: 200 bedrooms

- Executive single en-suite study bedrooms
- Breakfast at nearby catering sites within UoL

LHU Creative Campus: 40 bedrooms

- single ensuite study bedrooms
- shared kitchen/dining area

Numerous hotels in city centre,
within 10-20 minutes walk



Excursions

Options will include:

Liverpool Highlights walking tour: City Centre, Museum Quarter, St. Georges Hall, Blue Coat Chambers, Cavern Quarter, St. Nicholas Gardens, Historic Waterfront, shopping

Beatles walking tour: Waterfront, Beatles statues, The Beatles Story, Cavern Quarter, Town Hall, + stories of Liverpool's musical heritage

Coach Tour: City Centre, Cathedrals & Georgian Quarter, Penny Lane, Strawberry Fields, Anfield, Liverpool Murals

Banquet on 1st August

To be hosted at Anfield Stadium, home of Liverpool FC
Optional stadium tour & silverware photo opportunities



Imagine! See you next summer?



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