

Seminar on ‘Conformal Field Theory’

Speaker: Prof. Dr. Luis Fernando Alday, Oxford University United Kingdom.



## Seminar on "Conformal Field Theory"

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FERNANDO  
ALDAY**

**OXFORD  
UNIVERSITY  
UNITED  
KINGDOM**

**Timing:  
9am to 10am  
Tuesday,  
May 24, 2022**



**VENUE:  
ADMIN BLOCK, KASHMIR POINT,  
KOH SAR UNIVERSITY, MURREE**

## The Ising model

The 'energy' of each configuration is measured by the Hamiltonian

$$H = - \sum_i \sigma(i)\sigma(i+1)$$

The sum is over nearest neighbours.

$$H(\uparrow\uparrow\uparrow\uparrow \dots) = -(N-1), \quad \text{ground state}$$

$$H(\uparrow\downarrow\downarrow \dots) = (N-1), \quad \text{conf. of max energy}$$

