SEMPARIS – Séminaires en région parisienne

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Workshop or Conference

Mercredi 5 Décembre 2018, 10 :00
IPHT, Amphi Claude Bloch, Bât. 774
Domaines : physics

Titre : *Conformal Invariance and Harmonic Analysis (Conference : 5 and 7 December 2018)*

Orateur : **... (IPhT)**

Résumé : *Pioneering work in the field of conformal invariance and harmonic analysis on the conformal group was done more than 40 years ago. The field underwent a renewal with the advent of the conformal bootstrap program. The conference will bring together different generations of mathematical physicists to share their vision and their insights.*

Wednesday December 5 :
10 :00 Gerhard Mack "Conformal field theory in D >2 dimensions. Representations and harmonic analysis"
11 :00 Coffee break
11 :30 Ivan Todorov "The lure of conformal symmetry"
12 :30 Lunch buffet
14 :00 Vladimir Dobrev "Invariant differential operators : from conformal symmetry to quantum groups"
15 :00 Coffee break
15 :30 Jean-Bernard Zuber "D-CFT's The blossoming of the 80's"
16 :30 Valentina Petkova, "Virasoro symmetry and Coulomb gas integrals in higher dimensions"

Friday December 7 :
10 :00 Volker Schomerus "Integrability in Harmonic Analysis"
11 :00 Coffee break
11 :30 Petr Kravchuk "Harmonic analysis and light-ray operators"
12 :30 Poster session Lunch buffet
14 :00 Emilio Trevisani "Spinning operators and defects in conformal field

theory"
15 :30 Gregory Korchemsky "Conformal fishnet theory"

(https ://indico.in2p3.fr/event/17934/overview)