



香港中文大學
The Chinese University of Hong Kong



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THE UNIVERSITY OF HONG KONG



FIRST IN
CHANGE

Analysis and PDE Seminar

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Basque Center for Applied Mathematics and
“Simion Stoilow” Institute of the Romanian Academy

TITLE: Design of bulk potentials in Landau de Gennes theory of nematic liquid crystals

Date : May 18th, 2022 (Wednesday)

Time : 4pm-5pm (Hong Kong time)
5pm-6pm (Korea time)



Link to ZOOM : <https://unist-kr.zoom.us/j/3170659442>

Meeting ID : 317 065 9442

Password : APDE21

Abstract. We consider the Landau-de Gennes framework for describing nematics and focus on the case in which the liquid crystal material is periodically doped with colloidal insertions. We study the homogenised materials obtained in the limit of small period and show that it is possible to design parts of the limit in an a priori chosen manner tuning various parameters of the system

All are welcome

This is a joint activity organized by Department of Mathematics, The Chinese University of Hong Kong, Hong Kong; Department of Mathematics, Institute of Mathematical Research, Research Division of Mathematical and Statistical Science, The University of Hong Kong, Hong Kong; and Department of Mathematical Sciences, Ulsan National Institute of Science and Technology, Korea. More details can be found in https://hkumath.hku.hk/~imr/event/CUHK_HKU_UNIST_Analysis_and_PDE/index.php.

