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# Analysis and PDE Seminar

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TITLE:

On a class of active scalar equations with applications on MG equations

*Date* : April 27th, 2022 (Wednesday)

*Time* : 10am-11am (Hong Kong time)  
11am-12noon (Korea time)



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

Meeting ID : 317 065 9442

Password : APDE21

**Abstract.** In this talk, we study an abstract class of active scalar equations which depend on some viscosity parameters  $\kappa$  and  $\nu$ . Such class of equations have many physical applications which include the magneto-geostrophic (MG) equations. This is a joint work with Professor Susan Friedlander at University of Southern California.

*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](https://hkumath.hku.hk/~imr/event/CUHK_HKU_UNIST_Analysis_and_PDE/index.php).

