

**SIMPOSIO di ANALISI MATEMATICA**  
**in occasione dei 70 anni di**  
**FERRUCCIO COLOMBINI**

30 Novembre - 1 Dicembre 2017

**Aula Magna, Dipartimento di Matematica, Pisa**

• **30 Novembre, mattino**

- 10.00 - 10.15 S. Spagnolo (Pisa)  
*Opening*
- 10.15- 11.05 C. Zuily (Orsay)  
*The stationary phase estimate revisited*
- 11.05 - 11.40. *Coffee Break*
- 11.40 - 12.30 L. Pernazza (Pavia)  
*TBA*

• **30 Novembre, pomeriggio**

- 15.00 - 15.50 F. Fanelli (Lyon)  
*Asymptotic behaviour of non-homogenous fluids in fast rotation*
- 16.00 - 16.50 T. Nishitani (Osaka)  
*On the Cauchy problem for  $D_t^2 - b(t)D_x a(x)D_x$*
- 17.00 - 17.30 *Coffee Break*
- 17.30 - 18.20 J.-M. Bony (École Polytechnique)  
*On the decomposition of smooth nonnegative functions into sums of squares*

- **1 Dicembre, mattino**

- 09.00 - 09.50 V. Petkov (Bordeaux)  
*Cauchy problem for hyperbolic operators with triple characteristics*
- 10.00 - 10.50 F. Ricci (SNS)  
*Continuity and smoothness of spectral multipliers in the functional calculus of sublaplacians on Lie groups*
- 11.00 - 11.30 *Coffee Break*
- 11.30 - 12.20 E. Jannelli (Bari)  
*Dissipative higher order hyperbolic equations*

- **1 Dicembre, pomeriggio**

- 15.00 - 15.50 N. Orrù (Cagliari)  
*Levi conditions for some third order hyperbolic equations*
- 16.00 - 16.30 *Coffee Break*
- 16.30 - 17.20 N. Visciglia (Pisa)  
*Large data scattering for the generalized KdV equation*