INTERNATIONAL SYMPOSIUM
"CELEBRATING TWENTY YEARS OF IRAFS
The International Research Area on Foundations of the Sciences"
Pontifical Lateran University - May 8th 2017
Tentative Program

9.00-9.15. Farewell Speech: Bishop Enrico Dal Covolo, PUL President.
9.15-9.30. Symposium Introduction: Gianfranco Basti, IRAFS Director.

Session I: Mathematics and Physics

9.30-10.15: Roger Penrose (Oxford University): *The Big Bang and its Dark-Matter Content: Whence, Whither, and Wherefore*

10.15-11.00: Sarah Jones Nelson (IRAFS): *A New Ontology of Integers: Questions of Proof and Consistency*

11:00-11:30 Coffee Break

11.30-12.15: Gianfranco Basti (PUL), *Non-wellfounded sets and quantum topologies in physics, logic, and computer science*

12:15-12:45. Discussion

12:45-14:00. Lunch

II Session Mathematics and Computer Science

14.00-14.45. Marco Forti (Pisa University): *Numerosity theory: counting the infinite in a Euclidean way*

14.45-15.30. Davide Sangiorgi (Bologna University): *The origins of coinduction: from anti-foundation axioms and morphisms to bisimulation*

15.30-16.00. Discussion

16.00. Symposium Ends

Scientific Committee: Gianfranco Basti, Flavia Marcacci, Sarah Nelson.
Organizing Committee: Flavia Marcacci, Alfonso D'Amodio