



Research Networking Programmes

Short Visit Grant or Exchange Visit Grant

(please tick the relevant box)

Scientific Report

Scientific report (one single document in WORD or PDF file) should be submitted online within one month of the event. It should not exceed eight A4 pages.

Proposal Title: Selective covering properties, products, and convergence properties

Application Reference N°: 4323

1) Purpose of the visit

Participation in the ESI meeting on descriptive set theory, and collaboration and conclusion of the second part of our research on productive properties of selective covering properties, dealing with gamma spaces.

2) Description of the work carried out during the visit

We have collaborated intensively and obtained several new results. We were able to assemble all results in a coherent way, and finished writing a long research paper on the topic.

3) Description of the main results obtained

Among other major results, we have characterized exactly when Hurewicz spaces remain Hurewicz in an extension of the universe by Cohen forcing, thus solving a problem of Scheepers and Tall.

4) Future collaboration with host institution (if applicable)

We plan to collaborate further, on Nykos's convergence property.

5) Projected publications / articles resulting or to result from the grant (*ESF must be acknowledged in publications resulting from the grantee's work in relation with the grant*)

The paper "Selective covering properties of product spaces, II: gamma spaces", is finished and will be submitted for publication after careful proofreading.

6) Other comments (if any)

I wish to thank the ESF and in particular Network INFTY for the great help in this project. I hope that this Network will continue its terrific contribution to science in the EU.