ACTIVITY REPORTING FORM

FOR CDC GRANTS PROGRAM

Individual Research Travel Support Program

(Deadline for completion: four (4) week after the end of the research visit)

Please note that at least four pictures of the supported activity should be included/ attached to this report. *(by email).*

After consideration by CDC, the intention is that this activity report and pictures will be made publicly available on the CDC website.

Name of grantee:

Home institution and country of grantee:

Name of the host:

Name of the host institution and country:

Topic of the research activity:

Dates spend at the center/host institution:

The progress report should a brief (one page) activity report:

1. Summary statement (1-2 sentences) of major outcome of your visit:
2. Brief description of your research activities during your research visit:
3. Students and post-doctoral fellows advised:
4. Joint activities with your host:
5. Research in progress (as a result from the visit):
6. Papers published or in preprint form as a result from the research visit:
7. Planned future activities as a result of your research visit:

With my signature I agree that my Activity Report and pictures can be published on the CDC website.

Activity Report

I spent a research visit at the Department of Mathematics at the Universitat Jaume I (Spain) and my main host-contact was Prof. Juan J. Font. During my stay we had regular interactions on some preserving maps. In fact, an active area of research seeks to characterize maps preserving certain properties in connection with the underlying structures. In the context of function spaces, we can point out the celebrated Banach-Stone theorem which describes all linear norm preserving maps (isometries) between C(X)-spaces for any compact Hausdorff space X. This visit provided this opportunity to continue our study on isometries, more generally, multilinear isometries in a noncompact framework and establish generalizations of the Banach-Stone theorem. Meantime, discussing on diameter preservers and norm preservers of AC(X)-spaces was another main schedule. Our papers listed below are in progress:

• Multilinear Isometries on Subalgebras of Cb(X)
• Certain Norm Preserving Maps on AC(X)-Spaces

Maliheh Hosseini