Soft.Matter@**PT** 2015 Registration

Please fill in this form and sent it to [jmtavares@fc.ul.pt](mailto:nfbernardino@fc.ul.pt) to register for the Soft.Matter@PT 2015 Workshop.

The information on the last page will be distributed to all participants on a Book of Preceedings. This will allow all participants to have knowledge of your expertise, helping to identify possible collaborations. Please keep the format as close as possible to the example.

There are no fees to register, CFTC will cover all the organization expenses, however to help reach as many people as possible we ask each participant to send us a name and email of someone they believe might be interested.

The oral presentations will be selected based on scientific interest but the main criteria will be diversification of topics, institutions, and research groups. The focus will be more on describing the work and expertise of research groups rather than recent scientific progress. We thus encourage that each research group chooses a member to submit a presentation on behalf of the group, and leave the details of the work of the members for the poster session. “Research group” does not need to be a formal research unit. Participants should organize themselves as they see fit.

Looking forward to see you in Lisbon!

José Maria Tavares

Nelson Rei Bernardino

**Contacts of a possible participant**

Name:

Institution:

Email:

**Do you want to present your work?**

No/Yes, if yes do you prefer oral presentation or poster?

**If presenting please provide a title and abstract.**

Title:

Abstract:

Soft.Matter@**PT** 2015

**Nelson Rei Bernardino**

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**Expertise**: Interfaces and wetting of simple fluids and liquid crystals

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Colloids | Liquid Crystals | Polymers and Gels | Interfaces, surfactants | Foams, emulsions | Granular materials | Biological | Other  (specify) |
| Experimental |  |  |  |  |  |  |  |  |
| Computacional |  | **✓** |  | **✓** |  |  |  |  |
| Theoretical |  | **✓** |  | **✓** |  |  |  |  |

**Description of expertise:**

* Theoretical and Computational.
* Calculation of surface tension, contact angle, and wetting properties using Landau and Landau-de Gennes theory.
* Numerical calculation of configurations of cholesteric liquid crystals.

**Selected Publications (max 5):**

* *Structure of the cholesteric-isotropic interface,* [Soft Matter 10, 9399 (2014)](http://pubs.rsc.org/en/Content/ArticleLanding/2014/SM/C4SM01857E" \l "!divAbstract).
* *Reentrant wetting of network fluids,* [*Physical Review Letters, 109, 116103 (2012)*](http://dx.doi.org/10.1103/PhysRevLett.109.116103)*.*
* *Complete wetting of elastically responsive substrates*,  
  [*Physical Review E, 85, 051603 (2012)*](http://dx.doi.org/10.1103/PhysRevE.85.051603)*.*
* *Complex Fluids on Complex Substrates: Simply Complicated?,*[*Molecular Physics, 109, 1067 (2011)*](http://dx.doi.org/10.1080/00268976.2010.542780)*.*
* *3D short-range wetting and nonlocality,* [*Physical Review Letters, 100, 136105 (2008)*](http://link.aps.org/doi/10.1103/PhysRevLett.100.136105)*.*