**Application for beamtime at SOLARIS – Scientific part**

Template for SOLARIS Standard proposal.

This document should consist of a **maximum** of **two A4 pages** (including figures and references) with a minimum font size of **12 pt**.

Text written in grey is a guideline for the User. Please, read it carefully, and then you can remove it to save place for your work.

Proposal should be highly targeted, avoid vague or too broad aims.

Preliminary measurements or characterisation recommended when appropriate.

This document should be sectioned as below:

PROPOSAL TITLE:

# PROPOSAL SUMMARY (should state the aims and scientific basis of the proposal) :

(Please give a short summary of your proposal, with key objectives and the scientific basis of the proposal. Be aware that this abstract may be published, for example as part of an open data policy. Abstract is equivalent to abstract of scientific paper, one paragraph with clear statement on essence of proposal – what are you trying to do, how you intend to do it, and why you are doing it (impact, importance of study); details are given in the following sections.)

SCIENTIFIC BACKGROUND

Explain in a compact manner the status of your field and the question you are concerned with. Indicate fundamental and societal importance of your work. Refer to any previous measurements or preliminary characterization. Explain why is the synchrotron radiation needed to solve the proposed scientific case.

MOTIVATION & EXPERIMENTAL PLAN (measurement strategy, experimental technique(s), sample details, etc.)

Exactly describe motivation and how are you going to carry out the experiment, what do you need for instrumentation and set-up and how you are going to analyse the data. Give sample details and quantity, and requirements for sample environment (this section should allow beamline scientists to make technical feasibility assessment - prior discussion with beamline scientist is strongly advised).

JUSTIFICATION OF BEAMLINE AND BEAMTIME REQUESTED

Justify why you ask for a specific beamline/end station, and how much beamtime is required for your experiment. Shortly detail how you estimated the requested number of shifts.

RESULTS EXPECTED AND THEIR SIGNIFICANCE IN THE RESPECTIVE FIELD OF RESEARCH

Give a very compact view of what you hope to learn from the proposed experiment. Explain how results you are expecting will allow you to answer the specific question(s) stated above and what will be the impact of answering this question on your field of research.

REFERENCES (Include only references relevant for this proposal)

They should illustrate importance of topic by citing one or two milestone papers in your field and recent exciting developments in or around specific topic of proposal.