



Welcome Message

Dublin City University, Ireland is proud to be the host venue for the international collaboration of three conferences in Physics Education from 3rd – 7th July 2017. The GIREP-ICPE-EPEC 2017 conference will be hosted by the Centre for the Advancement of STEM Teaching and Learning (CASTeL) at Dublin City University and is jointly organised by:

- **The Conference of International Research Group on Physics Teaching (GIREP)**
- **European Physical Society - Physics Education Division (EPS PED) and**
- **International Conference on Physics Education (ICPE) of the Commission C14 of the International Union of Pure and Applied Physics (IUPAP).**

The theme of this conference will be "Bridging Research and Practice in Physics Teaching and Learning". We expect that the conference will enable you to share your research with an international research community and to engage in discussion about the issues relating to research and/or practice in physics education, across all educational levels. The conference programme will include a range of presentation types, including keynote speakers, single and symposium oral presentations, poster presentations and workshops. Authors are invited to submit contributions across eleven strand categories to share:

- Research (physics education research both empirical and theoretical)
- Research and development (including classroom ideas, practical issues, development etc. being more substantial than research),
- Classroom ideas/teaching and learning practices (with no/minimal research aspects).

It will be a pleasure to welcome you to Dublin for this exciting event which will include an engaging scientific programme, tours and social events. We look forward to meeting all of you in Dublin, Ireland.

On behalf of the Organising Committee
Eilish McLoughlin and Paul van Kampen



How to Prepare and Submit an Abstract for the GIREP - ICPE - EPEC 2017 Conference?

Important Information

- Register with the [abstract submission website](#) and establish your user name and password for the GIREP - ICPE - EPEC 2017 conference submission system.
- If you are submitting more than one abstract you will use the same login for each abstract.
- Please note that at least one author **must** register to attend and present at the conference.
- You can alter your abstract(s) at any time up to the submission deadline of **1st March 2017**.
- Maximum length of the body of abstract is 450 words.
- Do not include author names in the title or body of your abstract – these are entered online during the submission process.
- Please note there is a limit of four contributions by an individual author i.e. authors can be on more than four abstracts as co-authors but can only be the nominated presenting author on four contributions (orals, posters, workshops or symposia).

This document introduces a guideline for GIREP - ICPE - EPEC 2017 abstract submissions under different formats (i.e. oral, poster, symposium and workshops). All submissions for GIREP - ICPE - EPEC 2017 must be completed online.

1. Submitting an Abstract

- To submit an abstract, you must first register on the [abstract submission website](#).



ABSTRACT SUBMISSION

Deadline: 1st March 2017

If you have not yet made a submission to this meeting you must register your details with the submission system. [Click here](#)

Note: Any User ID and password that you already have will **not** be sufficient - you must create a new identity with this submission system.

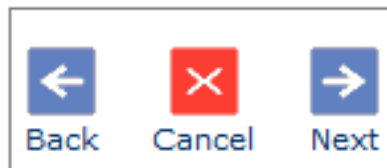
REGISTERED USERS please log in

Email address

Password



- Log in to the abstract submission system - enter your email address and the password that you selected when you registered with the system.
- You will be taken to a screen from which the submission process starts.
- Submitting your abstract is a multi-step process. Each step asks several questions. Some questions are marked “required” and you will not be able to complete your submission until these questions have been answered. You navigate through the process using these buttons at the bottom of the screen.



• Abstract Details

Your abstract should not be longer than 450 words. It should present research or teaching ideas related to both physics education and physics education research, and align with the aims of GIREP - ICPE - EPEC 2017. Your research or teaching idea must not have been published previously. On-going studies or developing ideas, if properly contextualized and accompanied with preliminary results, are welcome.

Reviewers will be asked to bear in mind the following:

- Is the title specific, adequate and concise?
- Are the context, aims, objectives, and research questions/teaching methods clearly stated? References to previous research or other teaching methods are expected.
- Are the research or teaching methods clearly described, and do they appear to be appropriate?
- Will (preliminary) results be presented at the conference?
- Is the research or teaching idea of interest within the selected category/categories?

The abstract should contain text only please – so do not use tables, figures, or equations.

The entire abstract must be less than 450 words. Failure to comply with the prescribed formatting will lead to automatic rejection of the paper. Insert references like this [1].

Keywords: Mandatory. Between one and five keywords should be included. Please keep to one line and leave one blank line before and after this section.

Acknowledgements – optional section

An acknowledgement section is not obligatory. Please leave one blank line before and after this section.

References – expected but not mandatory

A reference section is expected but not obligatory. To save on space, use a form of Chicago style that is about as condensed as possible: number, first author only followed by “et al”, year in brackets, journal abbreviation in italics, volume in bold, start page only. For example: 1. D. Hestenes et al (1992) *Phys. Teach.* **30** 141.



Step 1: Start of Submission Process

- Please read the instructions on this screen carefully.
 - **To make a new submission:** Click the link that says “Click here to make a new submission”.
 - **To edit an existing submission:** Click on the title of the submission in the list. Note you can edit your submission at any point up to the submission deadline of **1st March 2017**.



ABSTRACT SUBMISSION Deadline: 1st March 2017

How to submit online:

1. [Click here to make a new submission](#)
2. To edit a previous submission, select it from the list below

If you wish to withdraw a submission please contact the conference administrator: GIREP2017Abstracts@kynotecco.ie

[Incomplete submission](#)

(incomplete)

○

Step 2: Title of Abstract and Abstract Submission

- You must enter the title of your abstract – please use Title Case (Each Word Capitalised).
- **Please note that abstracts are double blind reviewed so please do not enter any author’s names or affiliations in the body of your abstract.**
- **In the case of a symposium submission, the chairperson of the symposium should provide a 450 word abstract which outlines the symposium. The chairperson is also responsible for submitting the abstracts for each proposed presentation.**



ABSTRACT SUBMISSION Title: Incomplete Submission

Enter the **FULL TITLE** of your submission. This will be used for printing in the final program

Incomplete Submission

Please enter an abstract of your paper (max 450 words)

Enter the text of your abstract here - please **do not** include author names and affiliations.

The maximum word count is 450 words, including references and acknowledgements.



Step 3: Author Names, Affiliations and E-mail Addresses

- You must list the affiliations for each author on your abstract.
- You must also give the names of each author and indicate their affiliations. Note each author can have up to 2 affiliations.
- You must indicate who is the presenting author for the abstract. The first listed author is the presenting author by default so please ensure to indicate who is the actual presenting author.



ABSTRACT SUBMISSION

Title: Title of submission

Affiliations

Please list the companies, universities or other institutions with which the authors are affiliated

#	Institution	City, State/Region	Country	
(1)	DCU	Dublin	Ireland	Delete

[ADD AFFILIATION](#)

Authors

You MUST enter the names of ALL authors here - including yourself if you are an author - in the order in which you wish them to appear in the printed text. Names omitted here will NOT be printed in the author index or the final program

#	Title	First name	Last name	Affiliation 1	Affiliation 2	Presenting	
(1)	Dr	A.N.	Other	1		<input checked="" type="radio"/>	Delete

[ADD AUTHOR](#)

Please supply the following additional information about the authors

Email address

Author 1:

Author 2:

Author 3:

Author 4:

Author 5:

Author 6:

Step 4: Strand Selection, Alternative Strand Selection

- Please select the most appropriate strand for your abstract from the drop-down list.
- If appropriate, you can indicate an alternative strand.

- 1) Teaching Physics Concepts: Sharing Practice
- 2) Primary and Secondary School Physics
- 3) University Physics
- 4) Laboratory Activities in Physics Education
- 5) Physics Teacher Education
- 6) ICT and Multimedia in Physics Education
- 7) Cross-disciplinary Physics
- 8) Physics Curriculum: Development and Implementation
- 9) Assessment and Evaluation of Physics Teaching and Learning
- 10) Physics Education in Informal and Non-formal Settings
- 11) International Collaboration in Physics Education



Step 5: Research Category

Please indicate the research category most appropriate to your abstract.

- Basic Physics Education Research
- Development Research/Design Based Research
- Instructional Intervention with Evaluation of Teaching/Learning
- Instructional Intervention without Evaluation of Teaching/Learning

Step 6: Type of Presentation

Please indicate the presentation type for your abstract (oral, poster, workshop or symposium).

- **Single Oral Presentation**

This presentation format allows for 15 minutes of individual presentation time followed by a discussion moderated by the session chairperson. Papers will be grouped by strand. Each accepted abstract will be scheduled in a session of 90 minutes with four individual presenters.

- **Poster Presentation**

Dedicated poster sessions will be scheduled in the conference programme. Each poster presentation will include a graphic presentation of a research study on visual display of size A0 (0.841m x 1.189m) in "portrait" format. Poster sessions are scheduled for 90 minutes.

- **Workshops**

Workshops enable presenters to display, explain and familiarize users with an innovative approach, a teaching or research tool, or some other aspect of research or teaching practice. Learning-by-doing occupies most of the session, and any presentations are brief. Workshops are scheduled for 90 minutes.

- **Symposia Oral Presentation**

Each symposium will be organized by a Chairperson and will contain four (4) presentations concerning a common topic of interest. The symposium chairperson is in charge of submitting the symposium title, abstract and a synopsis for the whole symposium. The chairperson must also submit the abstracts for each symposium presentation. Each symposium session will be given a 90-minute block of time in the programme: 15 minutes for each presentation and 30 minutes allocated for discussions.

Step 7: Abstract Declaration and Submission

- You must confirm that you accept the terms of abstract submission.
- Finally, to complete the submission of your abstract, please click "Finish". This will bring you to a summary screen for your submission. You will also receive an e-mail confirming its submission.



ABSTRACT SUBMISSION

Title: Incomplete Submission

Please choose the main strand which best fits your submission (required)

5. Physics Teacher Education

Please choose the secondary strand (if applicable) that best fits your submission

5. Physics Curriculum, Design and Development

Please select the research category

Development Research/Design Based Research

Please choose your preferred means of presentation

Oral Poster Symposium
 Workshop

I confirm that at least one author will register in full to attend and present the paper at the Conference and that all authors have approved the submission. I grant permission to print my submission on CD and in hardcopy if it is accepted for presentation. I agree to referee a small number of abstracts.

(required)



- To complete the submission of your proposal, please click “Finish”. This will bring you to a summary screen for your submission. You will also receive an e-mail confirming its submission.



ABSTRACT SUBMISSION

Title: Title of submission

Thank you – your submission has been successfully received. Here is a summary of your submission. You can log in again at any time to see this summary. If you need to make any changes please press the “Back” button at the bottom of this screen. You can return later to make further changes.

Back

Abstract No.	000							
Title	Title of Submission							
Abstract	girep-2013-abstract-000001.docx							
Affiliation	(1) DCU, Dublin, Ireland							
Authors	A. S. O’Shea (1) Presenting							
Author information	<table><tr><td>email address</td></tr><tr><td>Author 1: ash@dcu.ie</td></tr><tr><td>Author 2:</td></tr><tr><td>Author 3:</td></tr><tr><td>Author 4:</td></tr><tr><td>Author 5:</td></tr><tr><td>Author 6:</td></tr></table>	email address	Author 1: ash@dcu.ie	Author 2:	Author 3:	Author 4:	Author 5:	Author 6:
email address								
Author 1: ash@dcu.ie								
Author 2:								
Author 3:								
Author 4:								
Author 5:								
Author 6:								
Categories	5. Teaching Physics Concepts							
Second choice	5. Primary and Secondary School Physics							
Research category	Instructional Intervention with Evaluation of Teaching/Learning							
Presentation	Oral							
Registration	Custom							



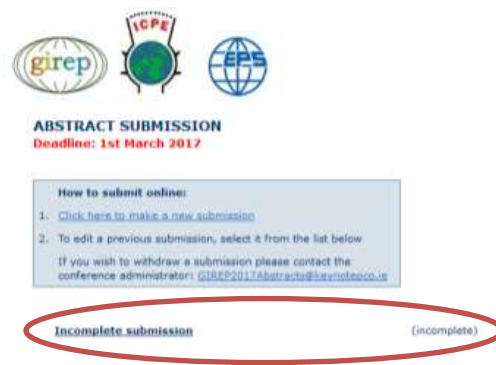


- Please note that if you have to stop part way through the process, your submission will be held in temporary storage until you return later and complete all the questions. When you log in again you can click on your incomplete abstract and resume submission.

2. Amending a Submission

You may wish to change your submission. You can do this at any time up to the deadline of **1st March 2017**.

- Log in to the [abstract submission system](#).
- You will see your submission(s) listed and must click on the file to open it.



- Amending an abstract is just the same as the original submission process except that the online form will be automatically filled in with the answers that you gave previously. You don't have to change an answer if you don't want to.
- When you reach the final step and press "Finish" you will be sent an email confirming that your abstract has been amended.

3. Queries

If you have any queries about the submission process or you wish to withdraw an abstract, please contact the conference administrator at GIREP2017abstracts@keynotecco.ie.