



INTERNATIONAL SOCIETY FOR PROSTHETICS AND ORTHOTICS

ISPO Guidelines

Section G.1

World Congress Prizes and Awards

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1. Prizes and Awards

1.1 Forchheimer Prize

Award description

The Forchheimer Prize was established by the Forchheimer family to honor the memory of Sylvia and Alfred Forchheimer.

At every World Congress, the International Society for Prosthetics and Orthotics recognizes the most outstanding paper on objective clinical assessment, clinical evaluation or clinical measurement published in Prosthetics and Orthotics International during the years prior to the congress with the Forchheimer Prize.

The Prize represents

- a certificate of recognition,
- a cash amount of USD 1000,
- a free congress registration for one author and reimbursement for one author's flight ticket and hotel accommodation up to a total of USD 1500 to attend the ISPO World Congress. (ISPO will transfer the funds and reimbursement after the congress (against original receipts).

Selection process and criteria

A panel composed of ISPO Scientific Committee members pre-selects papers following the procedure developed by Tim Bach (2017) – see Notes and Guidance on Shortlisting and Selection below. The pre-selected papers are scored by a panel composed of ISPO Scientific Committee members on the following criteria on a scale from 5 to 0 (5=outstanding, 4=very good, 3=very satisfactory, 2=satisfactory, 1=barely satisfactory, 0=inadequate):

- Appropriateness of methodology
- Logic and clarity in organization and analysis of materials
- Presentation of findings, discussion and conclusion
- Significance and impact to the field of Prosthetics or Orthotics

When the winners are selected: before the World Congress

When the winners are informed: before the WC by ISPO Head Office

Prize ceremony

- Prize handed out at the time of the presentation of the paper and during the Closing Ceremony, a slide of the photo of the winner is shown to acknowledge the winner
- Prize introduced by: ISPO President
- Prize handed out by: ISPO President (or the respective family member)
- Presentation of the paper: The winner(s) are invited to present a brief summary of their paper (5-10 minutes) at a pre-selected timeslot (decided by the Congress Scientific Committee) during the World Congress.

Notes & Guidance on Shortlisting and Selection:

1. PUBMED search

- Advanced Search Terms:

- o Journal: Prosthetics and Orthotics International
- o Publication Dates: Congress Year -2 and -1 (for a WC in 2021, publication dates: 2019-2021)
- Total papers found (XXX)
- Save as one or more .nbib files
- Download citation files

2. ENDNOTE

- Create a new Endnote library
- Import citation files
 - o Set Import filter: Pubmed (NLM)
 - o Import the text file into the library, check the total matches the PUBMED search total
- Export library in a file suitable for EXCEL
 - o Download and install excel.ens style available at: <https://prattlibrary.cchmc.org/export-endnote-library-excel-spreadsheet-clickable-links>
 - o Set Output style: excel
 - o Select all the library entries
 - o Export the entire library and save the file as a text file

3. EXCEL Spreadsheet

- Create a new Excel file named Forchheimer_POI_papers
- Import the papers txt file via Data\import\....
- Clean up the file:
 - o Delete unnecessary columns (Endnote library number, Journal name, etc)
 - o Convert page range column (under Data Tab in Excel, use Text to columns function)(getaround the date problem by using a space before low numbers)
 - o Sort by volume, issue and page number so that order reflects journal structure
- Insert three columns: Eligible/Not, Selected/Not Selected and Notes

4. Assess Eligibility

The Forchheimer Prize is described as follows:

The most outstanding paper on objective clinical assessment, clinical evaluation or clinical measurement published in Prosthetics and Orthotics International during the years prior to the congress with the Forchheimer Prize.

The following definitions of terms are offered:

- Objective: devoid of emotion, observable, quantitative. Psychometric properties of tests and measurements should be established within the study or should have been established by other investigators. Studies utilising qualitative methods should not be considered.
- Clinical: Pertaining to a clinic, or to direct bedside medical care, or to materials or equipment used in the care of a sick person. Technical studies, descriptions of fabrication methods, computer simulation studies, mechanical testing studies, etc. should not be included.
- Measurement: process by which the attributes or dimensions of some object/person are determined. This can include physical measurements or measurements of psychosocial attributes provided there is a defined process and measurement scale/score. Measurements may be clinic or laboratory based.
- Assessment: process by which measurements are compared to some known standard.

- Evaluation: process by which measurements and assessments are judged according to their value.

The definition of the award is made difficult and vague by use of the word “on”. The “*most outstanding paper on objective clinical assessment, clinical evaluation or clinical measurement*” should, by literal interpretation of the definition mean that the paper is primarily *about* the clinical assessment, evaluation or measurement. This interpretation would limit the field to papers that focus on the psychometric properties (reliability, validity, sensitivity, etc) of the clinical measurement, assessment or evaluation. A review of past winners indicates that this is not the interpretation that has been applied. Past winning papers have utilised some objective clinical assessment, evaluation or measurement to address a particular clinical problem or demonstrate the effectiveness of a particular clinical technique.

The word “clinical” has also been interpreted loosely in the past. In 2010 the Prize was awarded to a systematic review of outcomes in upper limb amputees. This was not a “clinical” study but a review of clinical studies and was therefore considered eligible. Because it was a systematic review which used an objective method, it could be considered “objective”. The same could not necessarily be said of narrative reviews. Systematic reviews were developed in an attempt to minimize reviewer bias which could occur in narrative reviews.

In assessing eligibility, the following steps should be taken:

- Search for all Executive Board members and Scientific Committee members. Any papers authored by these individuals was considered ineligible because of the potential perceived conflict of interest these individuals have in selecting the Prize winner.
- Certain types of papers should be considered ineligible because they clearly do not fit within the definition of “clinical”. These include: editorials, letters, book reviews, corrigenda, technical reports, clinical notes.
- Narrative reviews should be excluded because of the risk of bias (not “objective”).
- Case studies are excluded because they are considered low level evidence. Presumably the “most outstanding paper” would be higher level evidence than case studies.

Brief notes are included with each paper in the spreadsheet to indicate reasons for ineligibility and reasons for selection or non-selection.

5. Short List

A short list is developed by selecting *the most outstanding paper from each issue* from the volumes published in the relevant biennium.

All eligible papers in each issue are considered. Papers are selected based on an assessment of the originality, methodological quality, relevance to clinical problems and overall quality of the manuscript.

- In assessing originality, consideration is given to the uniqueness of the problem or intervention and the rationale for the study. Studies which replicate earlier publications or findings are ranked lower.
- In assessing methodological quality, consideration is given to the demonstrated quality of the measurement, assessment or evaluation, the sample size, the appropriateness of the statistical analysis (Methods section) and the interpretation of results. For systematic reviews, the number of included papers, the objective assessment of level of evidence and research quality and the meta-analysis (if any) are considered.
- The relevance of the study is judged from the clinical relevance statement, Background and Discussion sections.
- The quality of the manuscript is judged on the overall quality of organisation and layout, quality of English expression and the clarity of the figures and tables.

It is recommended that the Selection Committee should apply more formal scoring processes to the shortlisted papers.

1.2 Brian and Joyce Blatchford Team Prize for Innovation

Award description

The Brian and Joyce Blatchford Team Prize for Innovation has been established by the Blatchford Family to honor the memory of Brian and Joyce Blatchford. It is awarded at every World Congress of the International Society for Prosthetics and Orthotics.

The Prize represents

The Prize consists of a cash prize of EUR 15,000, as well as a trophy.

The Selection Criteria:

The Prize is awarded to a team that has an outstanding record of innovative achievement in the field of prosthetics and/or orthotics. The achievement should be related to prosthetic and/or orthotic hardware, or scientifically based new techniques, which result in better prostheses or orthotics.

The Team of Awardee will be selected on the basis of their outstanding research achievements and excellence of their research programmes in prosthetics / orthotics. Selection will be based on merit and one or more of the following criteria will apply as appropriate:

- demonstrated track records of the candidate / team as evidence in the quality of the research and scholarship achievements, grants, prizes and patent awards, significant output in international peer-reviewed literature, and other forms of special recognition relevant to the discipline of prosthetics / orthotics;
- presented strong and solid evidence of successful application and/or commercialization of the relevant research outputs;
- provided substantial contributions of the candidate / team to the field of prosthetics / orthotics research and/or demonstrated potential for making outstanding contributions to research in the field of prosthetics / orthotics; and
- accomplished positive impact and significance of the research to the industrial, economic and social development in the field of prosthetics / orthotics locally and internationally.

Selection process

The Brian & Joyce Blatchford Award will be administered by the Head Office of the International Society for Prosthetics and Orthotics (ISPO). A Selection Panel chaired by the Chairperson of Scientific Committee of ISPO (ISPO-SC), and comprising three members of the ISPO-SC plus one representative of Blatchford Group, will be set up to consider the applications. The Panel may also seek external peer assessments as and when necessary. The Panel will be responsible for the final selection based on the documents submitted and oral presentation by the candidates / teams may be required.

The assessment of the competing teams is based on their outstanding research achievements and excellence of their research programs in prosthetics/orthotics (on a project base). The Chair of the Scientific Committee first makes a pre-selection, excluding applications that are considered to be ineligible. Next, the pre-selected projects are scored. The following criteria are scored by a panel composed of ISPO Scientific Committee members on a scale from 5 to 0 (5=outstanding, 4=very good, 3=very satisfactory, 2=satisfactory, 1=barely satisfactory, 0=inadequate):

- a significant piece of research with potential to contribute positively to the industrial, economic and social development in the field of prosthetics / orthotics locally and internationally;
- demonstrated track record as evidence in the quality of the research and scholarship achievements, grants, prizes and patent awards, significant output in international peer-reviewed literature, and other forms of special recognition relevant to the discipline of prosthetics / orthotics;
- presented strong and solid evidence of successful application and / or commercialization of the relevant research outputs; and/or
- provided substantial contributions of the competing teams to the field of prosthetics / orthotics research and / or demonstrated potential for making outstanding contributions to research in the field of prosthetics / orthotics.
- The research should not necessarily be published in POI.

The Scientific Committee and panel present their recommendation to the Executive Board for formal endorsement.

When the winners are selected: before the WC

When the winners are informed: before the WC by ISPO Head Office

Prize ceremony

- Prize handed out at the time of the presentation of the paper (during the Closing Ceremony, a slide is shown to acknowledge the winner)
- Prize introduced by: Stephen Blatchford or his representative or ISPO President by default
- Prize handed out by: Stephen Blatchford or his representative or ISPO President by default
- Presentation of the paper: The winner(s) are invited to present a brief summary of their paper (15 minutes) at a pre-selected timeslot (decided by the Congress Scientific Committee) during the World Congress.

1.3 SAGE Elite Reviewer Award

Award Description

The evaluation of a manuscript for publication is a difficult task requiring critical thinking and demanding time, effort, and clear articulation of opinions. It is an act of scholarship and a necessary component of publication efforts. Nevertheless, this activity is almost devoid of reward or recognition, and is usually anonymous to all but the journal editors. Therefore, the SAGE Elite Reviewer Award has been established to recognize reviewers whose contributions to Prosthetics and Orthotics International have been of extraordinary magnitude and quality.

Prize represents

- 500 pounds per year (meaning: Total Award value is £1000 per World Congress) + certificates to each winner

- Awarded to: up to 5 reviewers (per World Congress) – amount available (i.e.£1,000) to be split per reviewer (same amount per reviewer)

Award Criteria

Reviewers will be eligible for the award if they:

- 1) completed multiple reviews (>2) in a given calendar year;
- 2) consistently submitted their review in a timely manner;
- 3) consistently received a high-quality rating from the editors for their reviews (>2.5 out of 3);
- 4) they were not members of the Editorial Board or Associate Editors during the calendar year for which the award is being made.

When the winners are selected: before the WC

When the winners are informed: before the WC by the editors in chief

Whom selects winner: POI Editors in Chief

Award Process

In February/March of each year, the Editors-in-Chief run a “Reviewer Summary Report” listing all the reviewers who provided reviews in the preceding calendar year. This report is used to generate a “Thank You to Reviewers” notice published in the April issue of each year.

This same report includes reviewer statistics that will be used to identify the elite reviewers. In order to identify the elite reviewers, the report will be sorted by:

- 1) number of reviews completed;
- 2) average time to submit reviews;
- 3) average R-Score (quality rating from 0 to 3 points, with 3 being indicative of a high-quality review).

The Editors-in-Chief will review the reviewer statistics and identify up to five reviewers who provided the highest number of timely reviews and the highest R score. The selected reviewers will receive an equal share of the monetary prize. The Editors-in-Chief will then notify the Chair of the Publications Committee of the awardees by April of each year so that Notification of Award can be sent to the reviewers from the EICs in conjunction with ISPO.

Notification will be sent to the awardees using a Notification of Award template and the Editors-In-Chief will publish a notice about the award recipients in the June issue of POI. The ISPO Office will be responsible for payment of the award to the recipients either in person at the World Congress in congress years or by mail.

Prize ceremony

- When awarded: Closing Ceremony
- Who introduces the prize: ISPO President
- Whom hands out: EICs on stage for the photo opportunity (no speech)
- Presentation: Should any recipient not be in attendance, ISPO Head Office would ask for their photo to be shown on screen with their name during award presentation. The awarding ceremony will take up to five minutes.

1.4 SAGE Travel Grants

Prize represents

- 500 pounds per year (meaning: Total Award value is £1000 per World Congress) + certificates to each winner (the amount and number of 'SAGE Travel Grant Award winners' might be higher, depending on the total amount available from SAGE).

Award Criteria

- Selection criteria: For best reviewed paper of those awarded a travel grant (the highest scoring, receive the SAGE travel grant)
- When the winners are selected: before the WC
- When the winners are informed: before the WC by ISPO head office
- Who selects: World Congress Scientific committee gives a score to the abstracts + ISPO Head Office combines the ranking of abstracts with the list of travel grant applicants + applies certain criteria to come up with a final 'ranking' (see travel grant guidelines for the criteria).
- Top 2 (or more, depending on the amount available and place the recipient travels from) will be recipients of the SAGE Travel Grant Award – next are recipients of the normal travel grant.
- Selected amongst the applicants for travel grants

Prize ceremony

- When awarded the certificate: during the congress session where the paper is presented
- Whom introduced and hands out: the chair of the session
- Length of presentation: In line with the session guidelines
- The recipients will then only be acknowledged during the Closing Ceremony
- A paper can receive multiple awards

1.5 World Congress Best Paper and Poster Prizes

Prize represents

Prize per award: 250 EURO + certificate

Award Criteria

The Best Paper Prizes will be awarded by the local organizing/scientific committee to five individual presenters of free papers / posters in the following 5 categories:

- Advancing Clinical Treatment: greatest contribution to advancing the clinical management of clients.
- Advancing Technology: greatest contribution to advancing technical capabilities in prosthetics and orthotics
- Advancing Psychosocial Science: the greatest contribution to advancing our understanding of the psychosocial aspects of client care.
- Advancing Education: greatest contribution to advancing prosthetics and orthotics education.
- Best Poster: paper presented in poster format that makes the most substantial contribution to advancing knowledge in prosthetics and orthotics

The winners are selected before the World Congress. A preselection is made, based on scoring of submitted abstracts.

The winners of the five Best Papers and Poster prizes will be decided during the World Congress after all eligible presentations have been visited and judged by members of the WC Scientific Committee.

Prize ceremony

- When introduced and handed out: Closing Ceremony
- Introduced and handed out by the WC Scientific Committee Chair.
- Length of presentation: 5-10 minutes

1.6 Sepp Heim Award

The Sepp Heim Award was established by ISPO at the ISPO World Congress 2019 to honor Sepp Heim for his lifetime of significant contributions to ISPO as well as the development of mobility devices (prosthetics, orthotics, and wheelchairs) education and services in less resourced settings. The Sepp Heim Award replaced the Yeongchi Wu International Education Award.

The award is granted to an individual/s or institution/organization that has made a major contribution to mobility device education and/or improving mobility devices service in less resourced settings. In doing so, the nominee should have positive impact to the lives of persons with disabilities living in less resourced settings through improving availability, accessibility, affordability, quality, and sustainability of mobility device services.

The winner will receive:

- Award Certificate
- \$1000.00 USD
- Complimentary registration to the ISPO World Congress for the recipient or a representative if the award is attributed to an institution/organization

Selection process and criteria:

Sepp Heim Award is managed by a Committee comprised of:

- The ISPO President Elect (Chair)
- The Chair of the ISPO Education Committee
- The Chair of the ISPO Scientific Committee
- Representatives (2) from the financial contributors to the Sepp Heim Award fund

The award is granted to an individual/s or institution/organization that has made a major contribution to mobility device education and/or improving mobility devices service in less resourced settings. In doing so, the nominee should have positive impact to the lives of persons with disabilities living in less resourced settings through improving availability, accessibility, affordability, quality, and sustainability of mobility device services.

Nominations process

A call for nomination is made by ISPO International at least 6 months before the following World Congress. Nominations are open for a period of 3-months and can be submitted by any ISPO member who considers the nominee meets the criteria and spirit of the award. Nominations

received are reviewed, scored, and selected by the Sepp Heim Award Committee on the following criteria:

- Nominee (individual(s) or institution) must have contributed significantly in the improvement of the “availability-accessibility-affordability-quality” of mobility device services for persons with disabilities in less resourced settings while ensuring their sustainability.
- The areas of “availability-accessibility-affordability-quality” improvement can be related to (a) creative support for the development of appropriate and sustainable clinical services, (b) the education and training of mobility device related professionals aligned with national and/or international standards , (c) development of appropriate, ecologically-sound technologies and/or approaches in services provision and (d) additionally other areas that have impacted the “availability-accessibility-affordability-quality”.
- The impact of the nominee’s contribution should be validated by demonstrating they have significantly contributed in one (or if possible, more) of the following areas:
 1. improved the quality and functional outcome of services
 2. ensured provision of services affordable to end-users
 3. facilitated knowledge and technology transfer to service providers to improve the availability and accessibility of services to end-users; and/or
 4. developed a sustainable service provision ecosystem by adapting environmentally friendly approaches to reduce waste creation and energy-usage.

Information for submitting a nomination:

Nominations are submitted online and must be supported by the following documentation:

- A 2-page document supporting the nomination (explaining what has been done by the nominee to contribute significantly to the improvement of the “availability-accessibility-affordability-quality” of services for persons with disabilities in less resourced settings while ensuring their sustainability);
- Supporting letter(s);
- Full CV of the nominee for an individual, or information of the institution/organization; &
- Any other documents that support the nomination.