Title of the Special Issue[1]

Title of the proposed Special Issue

> *EXAMPLE:*
> Robots for Wine Tasting

Guest Editors

Please provide, name, affiliation, and link to CV or google scholar profile of each Guest Editor

> *EXAMPLE:*
>
> 1) J.J. Grapes, affiliation, link to CV
> 2) A. Vigna, affiliation, link to CV

Topic

Describe the topical area and of the community of researchers and practitioner to which the Special Issue is directed as audience (max 1 page).

> *EXAMPLE:*
> *Robotic Wine Tasting is attracting more and more attention in the community of Robotics research, because of the scientific interest of the problem and the technological boost that it may provide to `levels. The size of this community is estimated in several hundred researchers. Only in the last year, there were 6 sessions and 4 workshops organized at ICRA on the topic.*
>
> *It is also relevant outside the academic community, especially toward practitioners in the industry of wine making and marketing, and for automatic wine tasting in restaurants, wine shops and the like. It is estimated that the number of people drinking wine is in the order of billions worldwide.*

Motivation and Endorsement

Describe the activities prompting the Special Issue Proposal, including possibly the endorsement of one or more IEEE RAS Technical Committees (max 1 page)

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[1] RA-L Special Issues: https://www.ieee-ras.org/publications/ra-l/special-issues

IEEE Robotics and Automation Letters – Special Issue

EXAMPLE:

The proposal of this Special Issue is motivated by the outstanding success of the Workshop "Wine Tasting Robots", organized at ROBOCONF last month. The quality of the speakers and the number of attendees (ca 50) were very encouraging. In the absence of published proceedings of the Workshop, the important contributions presented there could be missed by missed by a wider public.

This Special Issue proposal is endorsed by the IEEE RAS Technical Committee on Gourmand Robotics and by the Technical Committee on Robotics for Entertainment (pls. see endorsement letters in <u>attachment</u>).

IEEE Robotics and Automation Letters – Special Issue

Other Recent Special Issues

Provide a commented list of other Special Issues on similar topics published in other robotics journals in the last 10 years (max 1 page)

> *EXAMPLE:*
>
> *The only other Special Issue that has appeared on the topic of Robotic Wine tasting has appeared 10 years ago, in the Int. Journal of Gourmand Robots (link). However, a special issue on Beer Tasting Robotics and Automation has been published two years ago in the same journal. The communities of beer and Wine tasting have only a partial overlap, and the scientific advances in the recent years warrant for a sufficiently distinct set of contributions to our proposed special issue.*

Candidate Papers

Provide a list of at least 6 proposed papers, along with commitment letters (with title, author names and a max 10 lines abstract) from authors interested in submitting. Please provide on single pdf file with all commitment letters as attachment to your proposal.

> *EXAMPLE:*
>
> 1) *John M. McMillan: "Differential Tasting: How finely can a robot detect a cru?".*
> 2) *Gombaud Lafite:Rotschild: "Robots for Grape Stomping"*
> 3) *…*
> 4) *…*
> 5) *…*
> 6) *Giovanni Veronesi: "Experimental validation of a new robot for white wine tasting"*
> 7) *…*

Editorial Contribution

Please indicate whether you plan to submit either a Survey article or an Editorial article to be published in the same Special Issue.

> *EXAMPLE:*
>
> *At the Special Issue deadline, the Guest Editors will submit a Survey paper of regular length (6 to 8 pages) containing a thorough review of recent literature on Robot Wine Tasting, with connections also to the related fields of Agricultural Robotics for the Vineyard; Robotic Grape Stomping, and Robotic Cleaning of Wine Casks. Should the Survey paper not be accepted, the Guest Editors will provide a two-page Editorial including an introduction of the Special Issue and a discussion of the contents of all papers appearing in the Issue.*

IEEE Robotics and Automation Letters – Special Issue

Timeline

The proposed Special Issue editorial timeline, consistent with the RA-L policy of publishing in max. 6 months from submission.

EXAMPLE:

1) **February 1, 2023:** *first contact with the RA-L Editorial Board via the Editor-in-Chief with a proposal draft*
2) **February 15, 2023:** *the proposal is accepted and a Supervising Editor is nominated. A submission deadline is fixed for May 1, 2023*
3) **February 20, 2023:** *A call for papers is launched on RA-L webpage. Guest Editors provide maximum visibility by distributing to general and specialized mailing lists*
4) **May 1, 2023:** *submissions to Special Issue closes.*
5) *Normal RA-L review process schedule follows. Special Issue Published by* **October 20, 2023**.