ICQT-2024 abstract template

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This is a Microsoft Word template for preparing a one-page abstract for submission to the International Conference on Quantum Technologies & Industrial Applications (ICQT-2024), to be held in May 2024 in Tehran. Your abstract will serve as (1) selection of presentations by the program committee and (2) publication in the book of abstracts. Considering that the submitted abstracts will not be edited, please make sure to send the final form of the abstract.

Instructions for preparing the abstract are as follows:

- Strictly no more than 1 page in A4 size.
- Acceptable file format is Adobe PDF.
- Please use the Times font family.
- All margins should be at least 2.5 cm.
- Single-spaced lines.
- Please use the following layout.
  1. Title (15 pt, boldface, centered)
  2. Names of authors (10 pt, boldface, centered, presenting author underlined if known)
  3. Affiliations (10 pt, Italic, centered)
  4. Presenting author's e-mail address
  5. Main text (10 pt, two columns)
- Table and figure captions should use font size 9.
- All characters in the figures, including super- and subscripts, should be at least 1 mm in size.

Equations, references [1], figures [2] and tables may be included as follows:

$$\hat{H} = \hbar\omega_0 \hat{a}^t \hat{a} \qquad (1)$$

Table 1: Important dates.

Abstract submission deadline	May 4
Notification of acceptance	May 14

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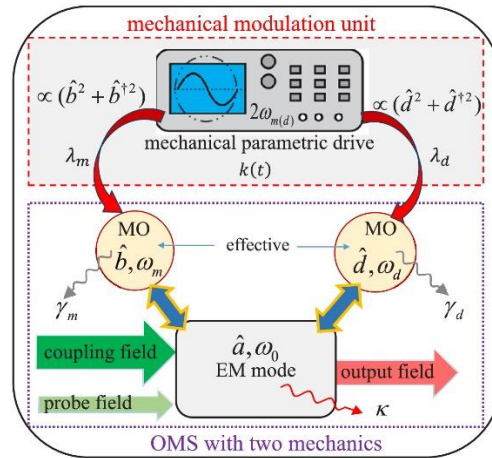This template is available from http://quantumphotonic.sbu.ac.ir.

Figure 1: Schematic of a generic optomechanical system consisting of two similar effective MOs which are linearly coupled to a common electromagnetic (EM) mode via the radiation pressure [2].

References:

[1] A. Motazedifard, A. Dalafi, and M. H. Naderi, "Negative cavity photon spectral function in an optomechanical system with two parametrically-driven mechanical modes," Opt. Express 31, 36615-36637 (2023).

[2] M. Momeni-Demneh, A. Mahdifar, R. Roknizadeh, "Control of the Nonclassical Properties of the Two-Mode Kerr Nonlinear Optical System Based on the Nonlinear Coherent States Approach," IJOP; 16 (1), 27-36 (2022).

Please submit the abstract to:

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