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1. INTRODUCTION

 You are welcome to the NCETIA-2018 which is going to be held on **8th December, 2018** at CUET. Papers should be prepared according to the following instructions given through the template. You are requested to send the 1 (one) softcopy of the paper: one in Microsoft Word format through the email: ncetmia@cuet.ac.bd. Please remember that the dead line of full paper submission is on **Aug 15, 2018**. Please go through the whole template before you start to write the full paper. Please keep page limit of your paper between 5~7.

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(b) Type author's name centered under the title, 10-pt. Times Roman with boldface in upper and lowercase letters.

 Type author's affiliation information 10-pt., in upper and lowercase letters with a single line spacing. Skip single line-space between the authors’ line and first affiliation line.

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# 4. EQUATIONS, UNITS AND NOMENCLATURE

 (l) Equations are preferably typed using Word Equation editor. Allow one line of space above and below. Each equation should be numbered properly on right of the equation as right-alignment and should be referred in the test like Eq. (1), but if you start a sentence with the equation then you will write like : Equation (1) shows the Markovian state transition model.

 (1)

 (2) Each paper must have a separate nomenclature section containing all the symbols used in the text and their definitions. Each dimensional symbol should have SI units. All dimensionless groups and coefficients must be indicated as dimensionless after their definitions.

# 5. TABLES AND FIGURES

 (l) When you are using tables and figures please place table title above the table (as shown in Table 1) and place figure caption below the figure (as shown in Fig. 1) using center aligned. Text and symbols must be clearly readable that are used in the figures and tables.

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 (3) Allow one line of space between the table title and the table (or between the figure and its caption). Allow single line-space between the table or figure and the adjacent text. Example:

Table 1: Acceleration vs. frequency of vibration

|  |  |
| --- | --- |
| Frequency of Vibration (Hz) | Acceleration in m/sec2 cause sensations |
| Unpleasant | Morbid |
| 1.0 | 2.3 | 2.7 |
| 1.5 | 2.1 | 2.5 |
| 2.0 | 1.9 | 2.3 |
| 3.0 | 1.7 | 2.0 |



# Fig.1: Natural frequency vs. Negative stiffness

# 6. ACKOWLEDGEMENT

 If you wish you can here acknowledge your work to the Laboratory or Supervisor or any authority that are funding the work. Otherwise, you can ignore this section.

# 7. REFERENCES

 References that are cited in the literature should be identified in the text in square brackets and grouped at the end of the paper in numerical order of appearance. References should be styled and punctuated according to the following examples: journal article [1], book [2], thesis [3], proceedings [4], technical paper/report [5] and website [6].

[1] S. C. Banik, K. Watanabe, and K. Izumi, “Generation of cooperative behavior of robots using fuzzy-Markov emotional model”, *International Journal of System, Signal Control and Engineering Application*, vol. 1, no. 1, pp. 101-109, 2008.

[2] R. W. Picard, *Affective Computing*, Cambridge: MIT Press, 2000.

[3] A. Gage, *Multi-robot task allocation using affect*, PhD Thesis, University of South Florida, 2004.

[4] S. C. Banik, C. D. Pathiranage, K. Watanabe, and K. Izumi, “Behavior generation through interaction in an emotionally intelligent robotic system”, in *Proc. of the* *IEEE Intl. Conference on Industrial and Information System*, Peradeniya, Sri Lanka, Aug 9-11, 2007, pp. 517-522.

[5] W. S. Reilly, and J. Bates, “Building emotional agent”, Pittsburgh, Carnegie Mellon University, Technical Rep. CMU-CS-92-143, 1992.

[6] <http://www.ofai.at/paolo.petta/conf/sab98>. (Date of access)

# 8. NOMENCLATURE

|  |  |  |
| --- | --- | --- |
| Symbol | Meaning | Unit |
| *T* | Temperature | (K) |
| *P**A* | PressureState transition matrix | (Pa)Dimentio-nless |