

## Full Title of JIHMSIP Template

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**ABSTRACT.** Please write down the abstract of your paper here....

**Keywords:** Please write down the keywords of your paper here, such as, Watermarking, Video compression, .....

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1. **Introduction.** Please write down the Introduction of your paper here....

2. **Problem Statement and Preliminaries.** Please write down your section. When you cite some references, please give numbers, such as, .....In the work of [1, 2, 3, 5], the problem of..... For more results on this topic, we refer readers to [1, 4, 5, 7] and the references therein....

2.1. **Several definitions and theorems.** Please write down your subsection.  
Examples for writing definition, lemma, theorem, corollary, example, remark.

**Definition 2.1.** System (1) is stable if and only if....

**Lemma 2.1.** If system (1) is stable, then.....

**Theorem 2.1.** Consider system (1) with the control law....

**Proof:** Let....

**Corollary 2.1.** If there is no uncertainty in system (1), i.e.,  $\Delta A = 0$ , then...

**Remark 2.1.** It should be noted that the result in Theorem 2.1.....

**Example 2.1.** Let us consider the following example....

$$\dot{x}(t) = Ax(t) + Bu(t) + B_1w(t) \tag{1}$$

$$y(t) = Cx(t) + Du(t) + D_1w(t) \tag{2}$$

.....

3. **Main Results.** Here are the main results in this paper.....

**Definition 3.1.** *System (3) is stable if and only if....*

**Lemma 3.1.** *If system (3)-(4) is stable, then.....*

$$\dot{x}(t) = Ax(t) + Bu(t) + B_1w(t) \quad (3)$$

$$y(t) = Cx(t) + Du(t) + D_1w(t) \quad (4)$$

**Theorem 3.1.** *Consider system (3) with the control law....*

**Proof:** Let....

**Corollary 3.1.** *If there is no uncertainty in system (3), i.e.,  $\Delta A = 0$ , then...*

**Remark 3.1.** *It should be noted that the result in Theorem 2.1.....*

**Example 3.1.** *Let us consider the following example....*

.....

4. **Control Design.** In this section, we present.....

$$\dot{x}(t) = Ax(t) + Bu(t) + B_1w(t) \quad (5)$$

$$y(t) = Cx(t) + Du(t) + D_1w(t) \quad (6)$$

**Definition 4.1.** *System (5) is stable if and only if....*

**Lemma 4.1.** *If system (5) is stable, then.....*

**Theorem 4.1.** *Consider system (5)-(6) with the control law....*

**Proof:** Let....

**Corollary 4.1.** *If there is no uncertainty in system (5)-(6), i.e.,  $\Delta A = 0$ , then...*

**Remark 4.1.** *It should be noted that the result in Theorem 2.1.....*

**Example 4.1.** *Let us consider the following example....*

.....



FIGURE 1. Example of figure

5. **Numerical Example.**

6. **Conclusions.** The conclusion of your paper is here.....

**Acknowledgment.** This work is partially supported by ..... The authors also gratefully acknowledge the helpful comments and suggestions of the reviewers, which have improved the presentation.

TABLE 1. Sample data

Channel erasure probability		Watermarked image quality (in dB)	Extracted BCR (in %)
$p_1$	$p_2$		
0	0	32.53	100
0.05	0.05	30.69	97.56
0.1	0.1	28.90	95.14
0.25	0.25	24.59	88.18
0.3	0.3	23.14	86.04
0.4	0.4	21.52	81.46
0.5	0.5	19.98	76.25
0	1	26.18	73.34
1	0	26.09	80.55

## REFERENCES

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