

# Modelling & Simulation

Report Structure – Paper Format

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# SCIENTIFIC-TECHNICAL REPORTS (PAPER)

ABSTRACT (single paragraph)

1 INTRODUCTION (1<sup>st</sup> Level only)

PRELIMINARIES / BACKGROUND (OPT)

RELATED WORK \*

METHODS & MATERIALS / METHODOLOGICAL APPROACH

RESULTS & DISCUSSION

RELATED WORK \*

N CONCLUSIONS (FUTURE WORK) (1<sup>st</sup> Level only)

REFERENCES

## REPRODUCIBILITY OF RESULTS & FINDINGS.

### ABSTRACT

Context

THE PROBLEM STATEMENT

METHODOLOGY

RESULTS / CONTRIBUTIONS

Keywords

\_\_\_\_\_ x \_\_\_\_\_

### INTRODUCTION

CONTEXT

THE PROBLEM STATEMENT (INFORMALITYCS  
EX. PROBLEM)

MOTIVATION / SIGNIFICANCE

GOALS (AIM & GOALS)

EXPECTED CONTRIBUTIONS

PAPER STRUCTURE (w/out Introduction)

## RELATED WORK (systematic mapping)

- Discuss Related Work
- Gap Analysis

Identify related work w/ reference terms

	<u>required</u>			<u>from literature</u>		
	$f_1^R$	$f_2^R$	$f_3^R$	$f_4$	$f_i$	$f_m$
$A_1$	x					x
$A_2$				x	x	x
$A_3$	x			x		
$A_n$	x					

$G_1$  (features to include in the project)

$G_2$  (features to include in the project)

## METHODS & MATERIALS

PROBLEM formalization

METHODS (How to solve the problem)

MATERIALS

- DATASETS
- TOOLS

## RESULTS & DISCUSSION

- Discuss bad results
  - Discuss good results
- focus on counter-intuitive results  
" m additional results

## Conclusions

Remark results of your  
related work and gaps

Remark problem and goals

Remark the results

Summarise the main  
contributions

Scientific (How the work  
contributes to the body  
of knowledge)  
technical  
application &

future work {

further developments

future opportunities / R&D paths

IEEE

## double-column Transactions Template

- 3-part Rule
    - introduction
    - development
    - conclusion
- chapters  
sections  
paragraphs

- 2+ subsection. Rule

- Single-paragraph rule
  - Abstracts
  - Conclusions (not always)
  - As introduction

single-sentence rule

As introduction for:

- sections / subsection
- lists
- figures
- tables
- Equation
- other non-text elements