

# Extremely Long and Complicated-sounding Title for a Complex Topic

Roy G. Biv

*Department of Electrical and Computer Engineering*

## Abstract

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## 1 Introduction

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## 2 Publications to date

Journal papers that are accepted and published with primary authorship include [2]:

1. **R. G. Biv**, J. Doe, and L. O. Liam, “A Planning Algorithm for Getting Your Science Article Published in Three Weeks,” *Superhumans, I-Tripley Transactions on*, vol. 47, no. 12, pp. 3256–3271, 2016.

Currently submitted journal papers with primary authorship include [3]:

1. **R. G. Biv** and L. O. Liam, “An Algorithm for Finishing the PhD in Two Months,” *submitted to Super Science Articles, Sophisticated Journal of*, 2018.

Conference papers that are accepted and published with primary authorship include [4,5]:

1. **R. G. Biv**, A. Pull, T. Burr, and L. O. Liam, “The Go-To Guide on Learning Everything Ever,” in *2014 IoAP International Symposium on Graduation*, The Undersea City of Atlantis, Dec. 2014, pp. 659–664.
2. **R. G. Biv**, L. O. Liam, and F. N. Stein, “Evaluating the Value of a PhD in Uncertain Environments,” in *1002nd International Research and Technology Symposium on Stuff*, Hill Valley, CA, June 2013.

Journal papers that are accepted and published with co-authorship include [6]:

1. J. Doe, **R. G. Biv**, F. N. Stein, and L. O. Liam, “Approaches to Obtain a High  $h$ -index,” *Journal of Advanced Advances*, vol. 13, no. 1, pp. 50–67, 2017.

Conference papers that are accepted and published with co-authorship include [1]:

1. O. P. Aychdee, **R. G. Biv**, and L. O. Liam, “Programming methods for coding in three lines or less,” in *Something Important, 2018 291st International Conference on*. Holy Toledo, BM: IoAP, July 2018.

Book chapters that are accepted and published with co-authorship include [7]:

1. M. Mouse, **R. G. Biv**, R. Hinges, and L. O. Liam, “Grad School Decision Support: Challenges and Applications,” in *Booky McBook*, 2018.

## 3 Long Possibly Complicated Topic #1 Name

### 3.1 Motivation

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### **3.2 Related Work**

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### **3.3 Challenges**

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### **3.4 Approach and Preliminary Results**

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## **4 Research Impact**

In this thesis, we will:

- i. Develop top-down and bottom-up methods for quantifying the value of context-driven information to reduce mission execution uncertainty
- ii. Determine the mission relevant information via sensitivity analyses for robust COA recommendations
- iii. Develop algorithms that increase the efficiency of asset utilization at tactical and operational levels
- iv. Develop algorithms that facilitate faster planning (especially in the readjustment of plans to meet contingencies)
- v. Enable faster response in dynamically changing mission environments
- vi. Develop algorithms that provide intelligent courses of action to the appropriate commanders in a timely manner
- vii. Develop algorithms that will dynamically coordinate assets to facilitate agile counter-action strategies
- viii. Develop methods to facilitate and enhance proactive decision support systems

## References

- [1] O. P. Aychdee, R. G. Biv, and L. O. Liam, “Programming methods for coding in three lines or less,” in *Something Important, 2018 291st International Conference on*. Holy Toledo, BM: IoAP, July 2018.
- [2] R. G. Biv, J. Doe, and L. O. Liam, “A Planning Algorithm for Getting Your Science Article Published in Three Weeks,” *Superhumans, I-Tripley Transactions on*, vol. 47, no. 12, pp. 3256–3271, 2016.
- [3] R. G. Biv and L. O. Liam, “An Algorithm for Finishing the PhD in Two Months,” *submitted to Super Science Articles, Sophisticated Journal of*, 2018.
- [4] R. G. Biv, L. O. Liam, and F. N. Stein, “Evaluating the Value of a PhD in Uncertain Environments,” in *1002nd International Research and Technology Symposium on Stuff*, Hill Valley, CA, June 2013.
- [5] R. G. Biv, A. Pull, T. Burr, and L. O. Liam, “The Go-To Guide on Learning Everything Ever,” in *2014 IoAP International Symposium on Graduation*, The Undersea City of Atlantis, Dec. 2014, pp. 659–664.
- [6] J. Doe, R. G. Biv, F. N. Stein, and L. O. Liam, “Approaches to Obtain a High  $h$ -index,” *Journal of Advanced Advances*, vol. 13, no. 1, pp. 50–67, 2017.
- [7] M. Mouse, R. G. Biv, R. Hinges, and L. O. Liam, “Grad School Decision Support: Challenges and Applications,” in *Booky McBook*, 2018.