

FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam

Presented by the FIG Working Week 2019,
April 22-26, 2019 in Hanoi, Vietnam

"Geospatial Information for a Smarter Life
and Environmental Resilience"



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"Geospatial Information for a Smarter Life and Environmental Resilience"



Research on Application of RTPPP for the Hydrographic Surveying in Vietnam

Can Pham & Lau Ngoc Nguyen, Vietnam

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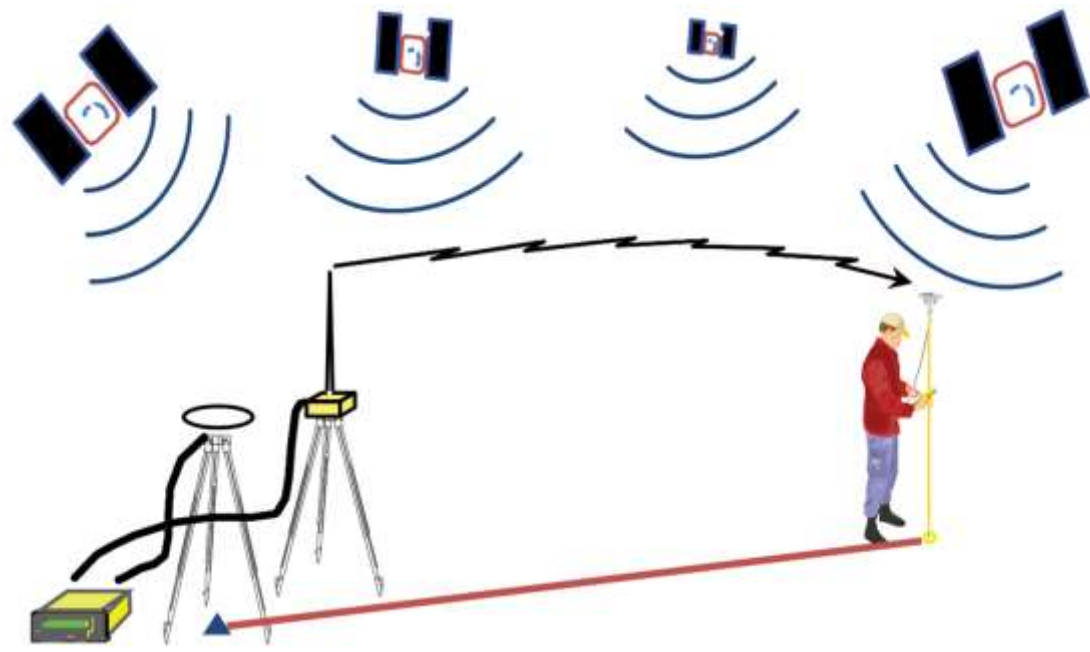
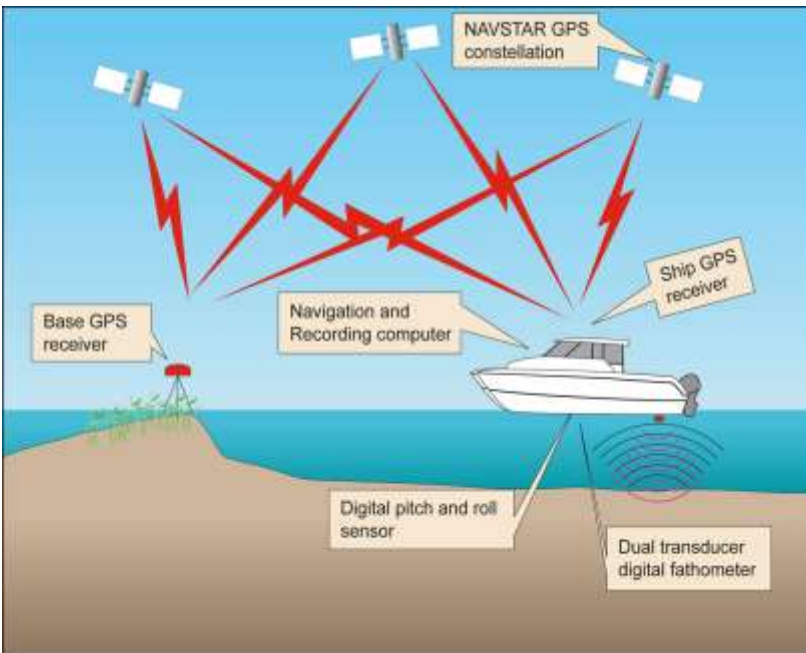
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Introduction

Relative Positioning



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Introduction

Standard Absolute Positioning

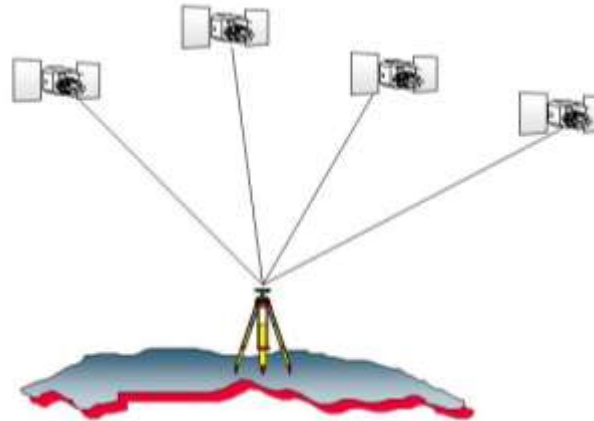
Point Positioning

Accuracy 10 to 20m in each component

Dependent on DoD Selective Availability

Navigation Applications

Not suited for Surveying or Precise Navigation



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Introduction

Real – Time Service (RTS)



IGS INTERNATIONAL
G N S S SERVICE



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Introduction

Real - Time Precise Point Positioning (RTPPP)



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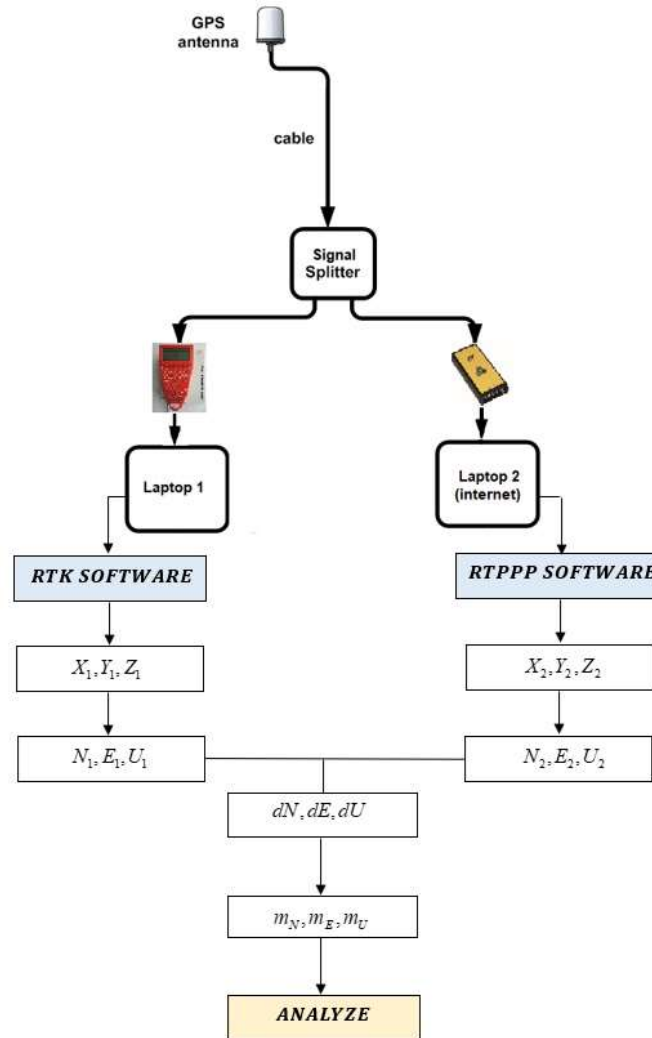
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Methods



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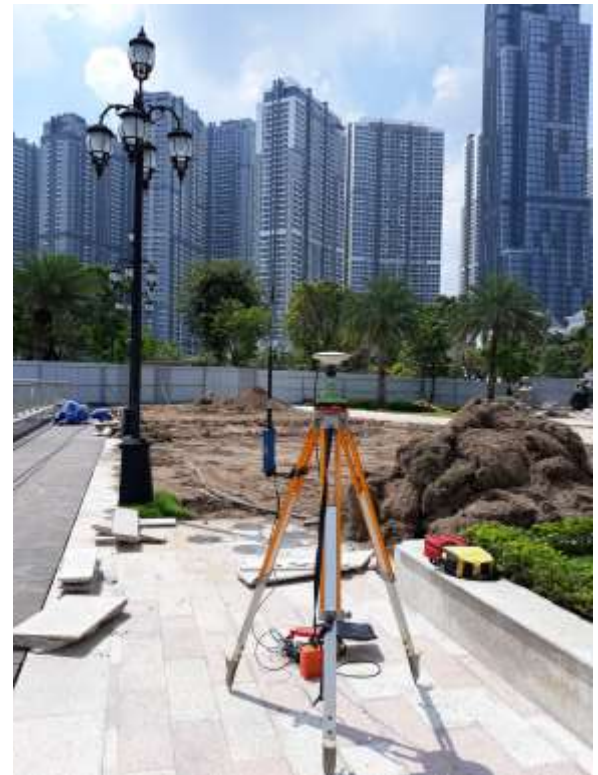
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Test Study



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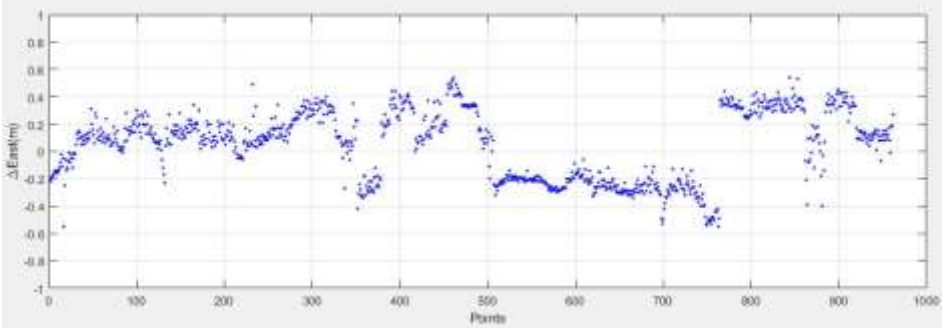
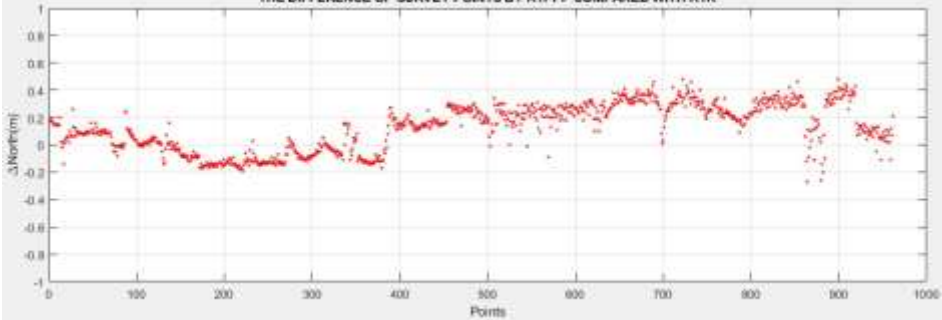
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Results

THE DIFFERENCE OF SURVEY POINTS BY RTPPP COMPARED WITH RTK



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Conclusion

RTPPP is a new promising technique in the position determining due to its **efficiency** and **low cost**.

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*Thank
you*

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