

**HiLCoE**

School of Computer Science & Technology

Graduate Program Research Office (GPRO)

Orientation – Spring 2023 term

**“Think differently and add value”**

# Outline

- Preliminary
- M. Sc. Thesis Guideline
- Accessing Journal/proceedings
- FAQ
- Spring 2023 term schedule
- Documentation Templates/Outlines (Abstract, Thesis chapters)

# How do I complete my MSc Study?

- **Three Exit Channels:** U should write a proposal for the 1<sup>st</sup> two
  - Thesis Type A (9 Credit)
    - Scientific Problem (gap)/Unknown issue
    - Design Science research
    - Research (Critical LR + Other techniques)
  - Thesis Type B (9 Credit)
    - Scientific Problem (gap)/Unknown issue
    - Experimental/Empirical research
    - Research (Critical LR + Other techniques)
  - Research Seminar (2/3 Credit + 2courses)
    - **State-of-the-Art**
    - Research (Critical LR)

# Criteria for Selection

- **For Thesis (type A & B)**
  - Anyone who
    - has sufficient time,
    - interested to work on a scientific gap,
    - competent in solution design or Empirical Res.

Apply for **Expression of Interest (EOI)**

Write Email (until Monday)

[hgpro2017@gmail.com](mailto:hgpro2017@gmail.com)

Email Subject: **HGPRO- Spring 2023**

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Service ID: \_\_\_\_\_

Email: \_\_\_\_\_

Mobile: \_\_\_\_\_

Type of Work: (**Thesis Type A or Thesis Type B or Research Seminar**)

**Special Issue:** (None, xRA (ex. 2RA), yRC (ex. 1RC), Low GPA, ???)

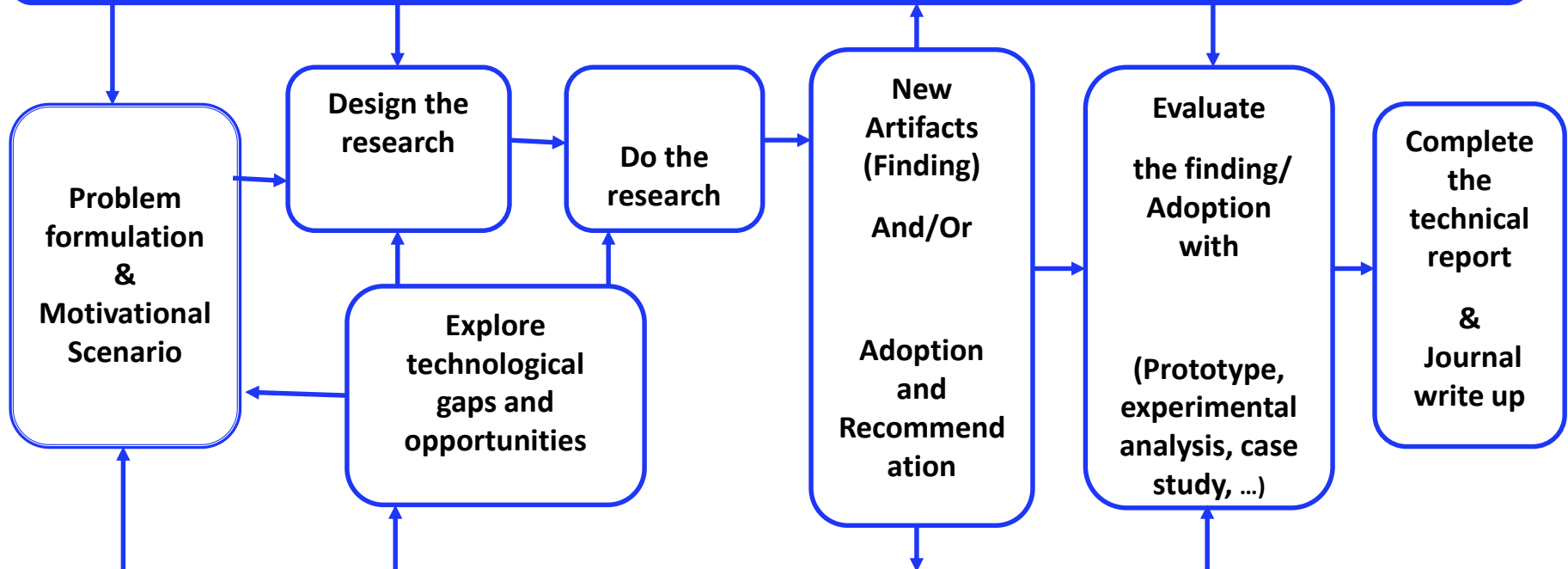
**NB.** Registration for all shall be **Next Week** (announces online)

# Research.Process@HiLCoE

## The Research Process at **HiLCoE**



**Real world Application, Context and Environment**



# M. Sc. Thesis Guideline

## [Guideline TPG HiL11-2011-Final.pdf](#)

- Thesis

- Thesis

- extensive literature survey on existing state-of-the-art
    - the potential to generate new knowledge or improve upon existing techniques
    - investigates an original work including a study of its possible implications, its potential applications, and its relationship to previous related works reported in the literature
    - potentially be acceptable for publication in a journal or a conference proceeding

# M. Sc. Thesis Guideline...

- Thesis **Proposal Preparation, Submission, and Defense**
  - Design Science Research (Type A)
  - Experimental/Empirical research (Type B)
  - Select a topic, write a synopsis/proposal, and submit the proposal to the Graduate Programme Research Office via email
  - The objective of the **proposal defense or review** is mostly to provide feedback to the student
  - major points that must be considered in evaluating a proposal include
    - Soundness of hypotheses to be tested or objectives



# M. Sc. Thesis Guideline...

- Originality and innovativeness of the proposed research
  - Contribution of the proposed research to knowledge
  - Clarity and consistency of objectives/hypotheses with the problem statement
- Decision of the examining committee
- *Approved*
  - *Revise and Resubmit*
  - *Rejected*

# MSc. Thesis Guideline...

- Other issues
- Thesis Report Writing Guideline
- Roles and Responsibilities of Advisors
- Roles and Responsibilities of Students
- Progress Follow-up of Thesis
- Submission of Thesis
- Thesis Defense

# Accessing Thesis/Journal/proceedings

- [www.oalib.org](http://www.oalib.org)
- [www.hilcoe.net](http://www.hilcoe.net)
- [www.dl.acm.org](http://www.dl.acm.org)
- [www.ieeeXplore.ieee.org](http://www.ieeeXplore.ieee.org)
- [www.aau.edu.et/library/resources/aau-institutional-repositoryelectronic-thesis-and-dissertation/](http://www.aau.edu.et/library/resources/aau-institutional-repositoryelectronic-thesis-and-dissertation/)
- [www.sciencedirect.com](http://www.sciencedirect.com)

# www.oalib.com



FileEditViewHistoryBookmarksToolsHelp

Oalib search x Implementations of ICT ... x +


www.oalib.com/search?kw=Enterprise+SOA

Search

☆📁📧⬇️🏠😊☰

Most VisitedSuggested SitesGetting StartedWeb Slice Gallery

HomeOALib JournalOALib PrePrintsSubmitRankingMy LibFAQAbout



Enterprise SOA

Search

☐ Title☐ Keywords☐ Abstract☐ Author☒ All

Show SearchMy Library

Publish in OALibJournalISSN: 2333-9721APC: Only \$99Submit

Any time2017 ( 2 )2016 ( 124 )2015 ( 169 )2014 ( 198 )Custom range...

Search Results: 1 - 10 of 7320 matches for " Enterprise SOA "

All listed articles are free for downloading (OA Articles)

1234567732

Page 1 / 7320

Display every page 10 Item

Using SOA and WEB Services for an Electricity Distribution Enterprise

Radu- ? tefan MOLEAVIN,R ? zvan Daniel ZOTA

Journal of Applied Computer Science & Mathematics , 2012,

Abstract: A viable enterprise today must adapt continuously to the requirements of the market. The adaptation of a company to the market requirements means also changes of business processes within IT systems. In any

Save Related Articles

Implementation of MDA Method into SOA Environment for Enterprise Integration

Wiranto Herry Utomo

International Journal of Computer Science Issues , 2011,

Abstract: Even though SOA provides real contribution, it is not adequate to implement enterprise integration. There are still problems in the implementation of enterprise integration in SOA environment, they are 1) the

Save Related Articles

Transferring data from file.scrip.org...

Between SOA and Grid Computing

TOP

## Journals & Research Papers

—

VOLUME 1/ NUMBER 1- JUNE 2014

- Integrated System Monitoring and Recovering Tool for T-24 Core Banking Applications in Ethiopia
- Internet Banking Security Framework: The case of Ethiopian Banking Industry
- Bag-of-Visual-Words Based Automatic Image Annotation

Activate Windows  
Go to Settings to activate Windows.



# ACM Digital Library

ics X +

https://dl.acm.org/results.cfm?query=data+analytics+on+IoT&Go.x=0&C

...

Search

Help Design Your New ACM Digital Library

We're upgrading the ACM DL, and would like your input. Please sign up to review new features, functionality and page designs.

Leave an email address:   or  or [\[Not interested\]](#)

ACM DL DIGITAL LIBRARY

SIGN IN

SIGN UP

Searched for data analytics on IoT [\[new search\]](#) [\[edit/save query\]](#) [\[advanced search\]](#)

Searched The ACM Full-Text Collection: 544,933 records [\[Expand your search to The ACM Guide to Computing Literature: 2,828,666 records\]](#) ?

511,563 results found 

Export Results: [bibtex](#) | [endnote](#) | [acmref](#) | [csv](#)

11,842 videos found

Result 1 – 20 of 511,563

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) >>

Sort by: [relevance](#) ▼

Refine by People

Names ▶

Institutions ▶

Authors ▶

Editors ▶

Advisors ▶

Reviewers ▶

Refine by Publications

Publication Names ▶

ACM Publications ▶

All Publications ▶

Content Formats ▶

Publishers ▶

Refine by Conferences

Sponsors ▶

Events ▶

Proceeding Series ▶

1

Jean Sammet means business

Data Base Staff

July 1974 ACM SIGMIS Database: the DATABASE for Advances in Information Systems: Volume 6 Issue 2, Summer 1974

**Publisher:** ACM

**Bibliometrics:** Citation Count: 0  
Downloads (6 Weeks): 5, Downloads (12 Months): 255, Downloads (Overall): 896

Full text available: [PDF](#)

[\[result highlights\]](#)

2

The Roles of IT Education in IoT and Data Analytics

Tae (Tom) Oh, Sam Chung, Barry Lunt, Russell McMahon, Rebecca Rutherford

September 2017 SIGITE '17: Proceedings of the 18th Annual Conference on Information Technology Education

**Publisher:** ACM

Activate Win

Go to Settings to

# IEEE Xplore Digital Library

IEEE Xplore Search Results



← → ↺ 🏠

🔒 https://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&query

🔍 Search

IEEE.org | IEEE Xplore Digital Library | IEEE-SA | IEEE Spectrum | More Sites

Cart (0) | Create Account | Personal Sign In

 Institutional Sign In 

Browse ▾

My Settings ▾

Get Help ▾

Subscribe

All ▾

Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')

🔍

Advanced Search | Other Search Options ▾

Search within results 🔍

Per Page: 25 ▾ | Export ▾ | Set Search Alerts ▾ | Search History

Displaying results 1-25 of 889 for **Data Analytics on IoT** ✕

☐ Conferences (705)

☐ Journals & Magazines (129)

☐ Books (38)

☐ Early Access Articles (9)

☐ Courses (7)

☐ Standards (1)

Show

☒ All Results

☐ Open Access

☐ Select All on Page

Docker container based analytics at IoT edge Video analytics usecase

Pankaj Mendki

2018 3rd International Conference On Internet of Things: Smart Innovation and Usages (IoT-SIU)

Year: 2018

Page s: 1 - 4

IEEE Conferences

🔒

Sort By: Relevance ▾

Need Full-Text

access to IEEE Xplore for your organization?

REQUEST A FREE TRIAL >

Activate Windows

Go to Settings to activate Windows



[www.aau.edu.et/library/resources/aau-institutional-repositoryelectronic-thesis-and-dissertation/](http://www.aau.edu.et/library/resources/aau-institutional-repositoryelectronic-thesis-and-dissertation/)

i etd.aau.edu.et/discover



Search



SEEK WISDOM, ELEVATE YOUR INTELLECT AND SERVE HUMANITY!

Addis Ababa University  
አዲስ አበባ ዩኒቨርሲቲ



Login

Library

## AAU Institutional Repository

[AAU-ETD Home](#) → Search

### Search

Search: All of DSpace

data analytics on IoT

[Add filters](#)



Showing 1 out of a total of 1 results. (0.003 seconds)

1



#### Browse


All of AAU-ETD  
[Colleges & Collections](#)  
[By Issue Date](#)  
[Authors](#)  
[Titles](#)  
[Subjects](#)

#### My Account

[Login](#)  
[Register](#)

#### Discover

Author

 [Situation and Livelihood Change of PLWHA in Adama Town: A Comparative Study of IGA Participating and Non-Participants](#)



data analytics on IoT

Author name

Journal/book title

Volume


Issue

Pages



Advanced search

2 results

 Set search alert

Refine by:

Years

☐ 1994 (1)

☐ 1967 (1)

Article type

☐ Research articles (1)

☐ News (1)

Publication title

☐ TrAC Trends in Analytical Chemistry (1)

☐ Journal of the American Academy of Child  
Psychiatry (1)

☐  Download selected articles  Export

sorted by

☐ News ☐ No access

US air monitor/analyzer sales

TrAC Trends in Analytical Chemistry, Volume 13, Issue 7, August 1994, Page ii

No authors available

 Purchase PDF Abstract  Export

☐ Research article ☐ No access

With Suggestions for a Correlation of Psychic and Hormonal Organizations: PART II PREPUBERTY DIFFUSION AND  
REINTEGRATION


Journal of the American Academy of Child Psychiatry, Volume 6, Issue 4, October 1967, Pages 577-614

Judith S. Kestenberg

 Purchase PDF Abstract  Export

Want a richer search experience?

Sign in for personalized recommendations, search alerts, and [more](#).

Sign in 

Activate Windows  
Go to Settings to activate Windows.

# FAQ

- What is your motivation (real world problem)
- What is the scientific problem or gap?
- What is the (in)dependent variable(s)?
- What is your hypothesis?
- What is unknown?
- What is your scientific contribution?
- Is the research design (methodology) complete?
- Does the title reflect the research work?
- Do the research questions address the problem?
- What are significances of the research?
- ...

# Spring 2023 term: Research Schedule

Activity	Time
Submitting Synopsis (three pages) (concept paper)	June 27
Proposal submission	????
Progress Report	Aug 15
Thesis report submission (refer to the Thesis Guideline)	March 30, 2024
Complete HiLCoE journal paper write up (refer to the Paper Submission Guideline)	May 30, 2024

# Research Progress Evaluation Checklist

- Proposal submission (email & hardcopy)
- Progress report submission (email)
- Request research extension via email (on demand)
- Final report submission for defense (signed by a student and advisor)
- Final defense
- Final revised report submission in hard cover (2/1 copies)
- Submit softcopy of the final report with CD as per Annex D of the guideline
- Submission of Paper (Journal Article)

# Documentation Templates

- **Abstract** (outline)
  - One page abstract
  - Four paragraphs
    - **P1** – Introduction/background and then problem statement
    - **P2** – Objective and then methods used
    - **P3** – Proposed solution & its constructs
    - **P4** – Implementation/Evaluation results and recommendation
  - keywords

# Thesis Type A Outline (De facto)

- Chapter One – Introduction
- Chapter Two – Literature Review
- Chapter Three – Related Work
- Chapter Four – Proposed Solution
- Chapter Five – Implementation/Evaluation
- Chapter Six – Conclusion and Recommendation

# Thesis Type B Outline (De facto)

- Chapter One – Introduction
- Chapter Two – Literature Review
- Chapter Three – Related Work
- Chapter Four – Experimentation/Empirical Findings
- Chapter Five – Discussion
- Chapter Six – Conclusion and Recommendation



# Journal Article Outline

- Abstract
- Introduction
- Related Work
- The Proposed Solution
- Discussion
- Conclusion and Future Work
- References

Thank You