

Opportunity Title: Information Science/Human Information Interaction Research

Opportunity Reference Code: ARL-R-MIS-400005-F1

Organization DEVCOM Army Research Laboratory

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Description About the Research

A fellowship opportunity is available with the U.S. Army Research Laboratory's (ARL) Computational and Information Sciences Directorate (CISD), located in Adelphi, MD. ARL is seeking a postdoc with a background in computational recommendations, machine learning, statistical analysis.

Research opportunities are available to develop methods to efficiently create algorithms and programs that enable efficient computational recommendations by capturing individual characteristics of users, detailed cognition of users including domain knowledge and situational awareness, user behavior, and decision outcomes. Research will ultimately allow development and deployment of intelligent Command and Control systems and platforms that incorporate user preferences and machine learning explanation. Research requires extensive experience in interactive visual systems, machine learning, and statistical analysis of data including data from user-studies.

ARL Advisor: Adrienne Raglin

ARL Advisor Email: adrienne.j.raglin.civ@mail.mil

About CISD

The Computational and Information Sciences Directorate (CISD) conducts research in a variety of disciplines relevant to achieving and implementing the so-called digital battlefield. Problems address the sensing, distribution, analysis, and display of information in the modern battle space. CISD research focuses on four major areas: communications, atmospheric modeling, battlefield visualization, and computing

About ARL-RAP

The [Army Research Laboratory Research Associateship Program](#) (ARL-RAP) is designed to significantly increase the involvement of creative and highly trained scientists and engineers from academia and industry in scientific and technical areas of interest and relevance to the Army. Scientists and Engineers at the CCDC Army Research Laboratory (ARL) help shape and execute the Army's program for meeting the challenge of developing technologies that will support Army forces in meeting future operational needs by pursuing scientific research and technological developments in diverse fields such as: applied mathematics, atmospheric characterization, simulation and human modeling, digital/optical signal processing, nanotechnology, material science and technology, multifunctional technology, combustion processes, propulsion and flight physics, communication and networking, and computational and information sciences.

A complete application includes:



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- **Curriculum Vitae or Resume**
- **Three References Forms**
 - An email with a link to the reference form will be available in Zintellect to the applicant upon completion of the on-line application. Please send this email to persons you have selected to complete a reference.
 - References should be from persons familiar with your educational and professional qualifications (include your thesis or dissertation advisor, if applicable)
- **Transcripts**
 - Transcript verifying receipt of degree must be submitted with the application. Student/unofficial copy is acceptable

If selected by an advisor the participant will also be required to write a **research proposal** to submit to the ARL-RAP review panel for :

- Research topic should relate to a specific opportunity at ARL (see [Research Areas](#))
- The objective of the research topic should be clear and have a defined outcome
- Explain the direction you plan to pursue
- Include expected period for completing the study
- Include a brief background such as preparation and motivation for the research
- References of published efforts may be used to improve the proposal

A link to upload the proposal will be provided to the applicant once the advisor has made their selection.

Questions about this opportunity? Please email ARLFellowship@ora.u.org

- Eligibility Requirements**
- **Degree:** Master's Degree or Doctoral Degree.
 - **Academic Level(s):** Any academic level.
 - **Discipline(s):**
 - **Engineering** ([27](#))
 - **Mathematics and Statistics** ([10](#))
 - **Physics** ([16](#))
 - **Science & Engineering-related** ([1](#))
 - **Age:** Must be 18 years of age