Opportunity Title: Context Search of Text
Opportunity Reference Code: IC-18-40

Organization	Office of the Director of National Intelligence (ODNI)
Reference Code	IC-18-40
How to Apply	**Create and release your Profile on Zintellect** – Postdoctoral applicants must create an account and complete a profile in the on-line application system. **Please note: your resume/CV may not exceed 2 pages.**

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Complete your application – Enter the rest of the information required for the IC Postdoc Program Research Opportunity. The application itself contains detailed instructions for each one of these components: availability, citizenship, transcripts, dissertation abstract, publication and presentation plan, and information about your Research Advisor co-applicant.

Additional information about the IC Postdoctoral Research Fellowship Program is available on the program website located at: https://orau.org/icpostdoc/.

If you have questions, send an email to ICPostdoc@orau.org.   Please include the reference code for this opportunity in your email.

Application Deadline 3/12/2018 11:59:00 PM Eastern Time Zone

Description **Research Topic Description, including Problem Statement:**

With the dominance of search engines and the World Wide Web, keyword search tends to be the primary medium used to search millions if not billions of text documents for information. However it can be argued that this interface is too simplistic, especially when trying to figure out what is happening in an unknown business space: returning results in a list format without context makes it difficult to understand what is happening, and why; to be able to understand trends and make projections; to differentiate and understand potential significance of opinions, as well as from fact; and the results are critically dependent on entering the correct keywords, which can be difficult and time consuming without expert knowledge. Understanding context is also important in identifying fake news articles, or potentially misleading and irrelevant topics.

Example Approaches:

Approaches could include, but are not limited to:

- Multiple newsfeeds. The media often report on the same event, which might allow retrospective analysis validated against known results, and the use of fake news examples.

- Use of content meta-data. Text documents are often riddled with meta-data information, which should be useful in tracking and validating content.

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Qualifications	## Postdoc Eligibility

Postdoc Eligibility

- U.S. citizens only
- Ph.D. in a relevant field must be completed before beginning the appointment and within five years of the application deadline
- Proposal must be associated with an accredited U.S. university, college, or U.S. government laboratory
- Eligible candidates may only receive one award from the IC Postdoctoral Research Fellowship Program.

Research Advisor Eligibility

- Must be an employee of an accredited U.S. university, college or U.S. government laboratory
- Are not required to be U.S. citizens

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Communications and Graphics Design** (6 👁)
  - **Computer, Information, and Data Sciences** (16 👁)
  - **Earth and Geosciences** (21 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (14 👁)
  - **Life Health and Medical Sciences** (45 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Other Non-Science & Engineering** (5 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (1 👁)
  - **Social and Behavioral Sciences** (28 👁)