Secure Programming Clinic

**Problem:**
Current state of security software is poor due to lack of expertise in secure programming.

**SPC Structure:**

- **Role:** Primarily teaching
  - **Source:** Experts from academia, government, and industry
  - **Remuneration:** None - volunteer position
  - **Responsibilities:** Mentoring, answer programming, and design questions, teach mini-workshops, discuss career opportunities, dissemination of clinic

- **Role:** Teaching and learning
  - **Source:** Senior undergraduate students, graduate students
  - **Remuneration:** Volunteers, credit, paid
  - **Responsibilities:** Mentoring, answering programming and design questions, teach mini-workshops, grading

- **Role:** Primarily learning
  - **Source:** Students at the university
  - **Remuneration:** None
  - **Responsibilities:** Submit programs for review and critique

- **Role:** Evaluation
  - **Source:** Instructors at the university
  - **Remuneration:** None
  - **Responsibilities:** Assign grades to student assignments

- **Role:** Management and evaluation
  - **Source:** Experts from industry, academia
  - **Remuneration:** None, consulting fee
  - **Responsibilities:** Planning and management of clinic activities, recruit clinicians, evaluation of clinic performance, dissemination

**Team:**
Dr. Melissa Dark - Purdue, Dr. Matt Bishop - UC Davis, Dr. Ida Ngambeki - Purdue, Dr. Jun Dai - Cal State Sacramento, Dr. Phil Nico - Cal Poly San Luis Opisbo, Steve Belcher - National Security Agency, Lauren Stuart - Purdue

**Acknowledgements:**
Somdutta Bose, MingHua Zhu, NSF Award ID: DGE-1303048

**Associated Publications:**


"This material is based upon work supported by the National Science Foundation under Grant No. 1303048. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation or the National Security Agency."