Wearable Research for In-service STEM Teachers (WRIST)

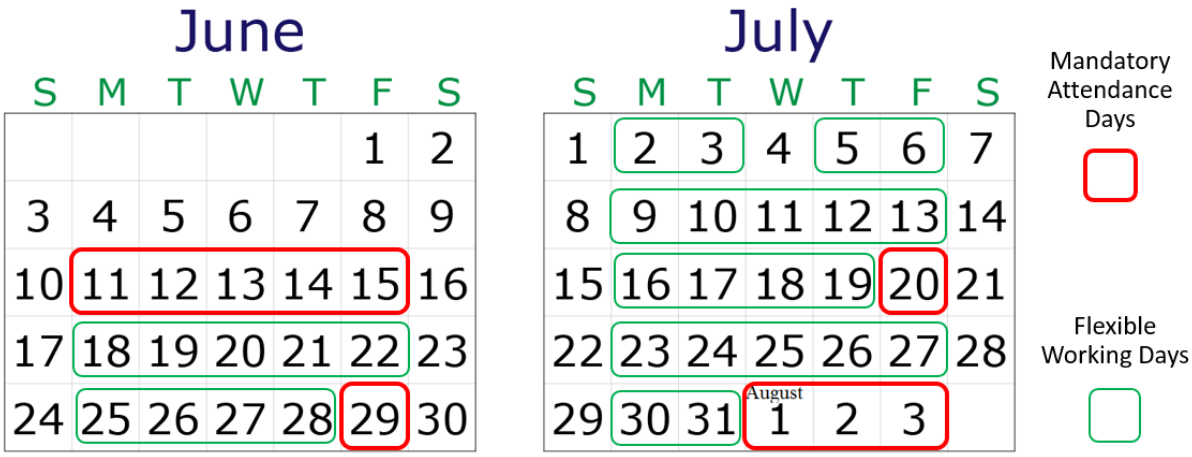
NSF Research Experience for Teachers (RET)

Summary

The objective of the WRIST RET site program is to engage high school computing teachers in cutting-edge research projects in wearable computing and related areas.

- Six-week immersive summer research experience under direct faculty mentorship
- Research in one of the following areas while developing teaching materials for class:
  - Activity Recognition Using a Wrist Accelerometer
  - Software Engineering Principles for Wearable Application Development
  - Pattern Extractor on Wearables
  - Wearables in Fashion for Introductory Computing
- One-day intensive Spring workshop

Schedule at a Glance: *Summer Component (June 11 – Aug 3)*



- RET kick-off meeting and Computational Thinking Workshop (Mandatory): June 11 – June 15
- Progress report meetings (Mandatory): June 29 & July 20
- RET Final presentation/demonstration preparation (Mandatory): Aug. 1 - Aug. 3
- Flexible Working days: the participating teachers can choose any 20 working week days between June 18 and July 27 (up to you and your faculty mentor's schedule).
- ***Spring Workshop (Spring 2019):*** The summer research participants will present, exchange, and share their research experience and teaching materials. The curriculum modules developed during the summer will be distributed for other schools to adopt.

Compensation: Participating teachers will receive stipends totaling an amount of $6,000 for completing all summer activities and $1,000 for the spring workshop.

Application: Application deadline is Apr 16, 2018

Applications will be reviewed on a rolling basis starting March 15, 2018.

Eligibility

- High School Computer Science or Information Technology teacher from Omaha Area
- Full-time commitment of 40 hours per week to the six-week summer research program and one-day spring workshop

For inquiries or to notify us of your interest, please contact:

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