工学基礎部門

Developing professional communication skills in students

Students in the Kawamoto Laboratory work on developing important professional communication skills by constructively evaluating the successes and failures of their research work as much as possible with their colleagues during the school year. Their topics of study range from IT applications to support English education inside and outside of the classroom to investigations of the design/development challenges of cyber-physical systems for improving the condition of life in the communities and societies around them.

教授

Pauline N. Kawamoto

On the faculty staff at the Nagano-Engineering Campus since 1996.

≫ 私の学問へのきっかけ

I have been fortunate to have had many teachers who treat students as professionals and present one opportunity after another to learn something new – and I am always looking for ways to do that for my students, too.

≫ 研究から広がる未来

We actively look for opportunities to allow students to present and discuss research topics in English outside of the university to prepare them for the workforce even outside of Japan.

≫ 卒業後の未来像

By emphasizing the need for professional communication skills, graduates enter the workforce with the experience of adapting their work discussions with a variety of colleagues, audiences, clients, etc.

Studying the successes and failures of research work in groups, with men and women from various countries, helps students develop strong professional communication skills.

応用化学 | 環境・エネルギー材料 | 水環境・土木 | 電気電子 | 機械物理
知能機械 | 建築学 | 情報サイエンス | 情報デザイン

研究キーワード

Development of professional communication skills・web applications・cyberphysical systems

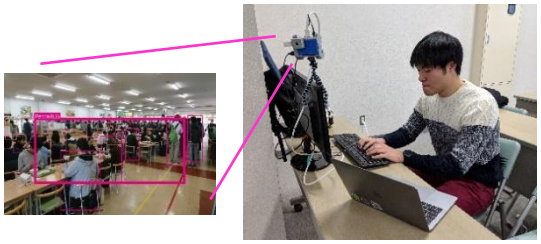
研究シーズ

- コミュニケーションスキルの学習支援
- サイバーフィジカルシステム開発
- ソフトウェア・ハードウェアの設計、検証ツールの開発
- 介護職・介護現場のICTサポートシステム開発

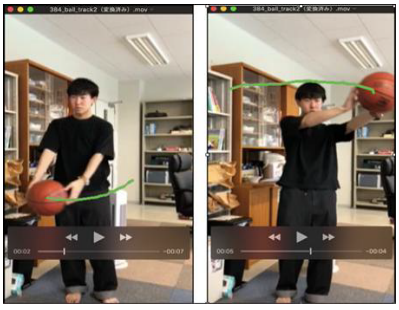
共同研究・外部資金獲得実績

- 地域の介護施設との共同研究
- 国際学会発表技術学習のためのマルチメディアを利用した教材開発と効果（科研費基盤C）

最近の研究トピックス



Combining IoT and machine learning technologies to create an automatic crowd detection system for public areas.



Development of a motion markup application for sports videos.