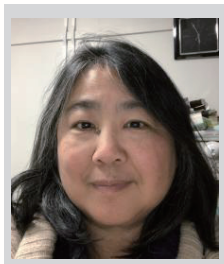




Students in the Kawamoto Laboratory work to develop important professional communication skills by evaluating the successes and failures of their research work in a constructive way as much as possible with their colleagues. Topics of study range from IT applications for supporting healthcare organizations to investigations of the design challenges of cyber-physical systems for improving the condition of life in the communities and society around them.



教授

Pauline Naomi Kawamoto

Prof. Kawamoto has been on the faculty at the Nagano-Engineering Campus since 1996.

>> 私の学問へのきっかけ

Entering the workforce at the time when the Internet was starting to reach and impact people in their homes and workplaces all around the world, I decided to take the opportunity to join the world of academia to help young engineers experience the satisfaction of being able to use their STEM knowledge, creativity, and passions to design and develop solutions that can help society in meaningful ways.

>> 研究から広がる未来

With growing numbers of students eager and willing to do work in English to learn it rather than learn English to do work, there will be greater opportunities for research discussions and collaborations outside of the university laboratory that will prepare students for the workforce even outside of Japan.

>> 卒業後の未来像

By emphasizing the development of professional communication skills throughout the research process, graduates enter the workforce with versatile skills in adapting their work discussions with colleagues, audiences, clients, etc. who can be from different backgrounds and fields.



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

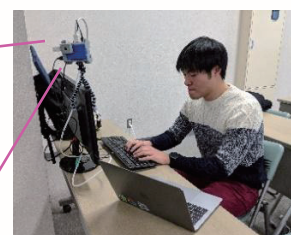
研究キーワード

Development of professional communication skills・web applications・cyber-physical 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

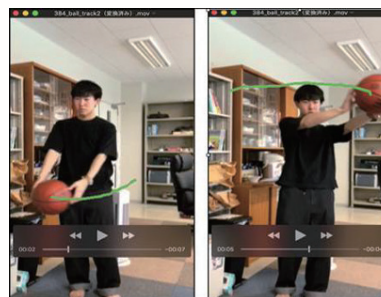
最近の研究トピックス



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

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）



Development of a motion markup application for sports videos.

Engineering Core

Developing Professional Communication Skills in Engineering Students



Students in the Kawamoto Laboratory work to develop important professional communication skills by evaluating the successes and failures of their research work in a constructive way as much as possible with their colleagues. Topics of study range from IT applications for supporting healthcare organizations to investigations of the design challenges of cyber-physical systems for improving the condition of life in the communities around them.



**Professor
Pauline Naomi
Kawamoto**

Prof. Kawamoto has been on the faculty at the Nagano-Engineering Campus since 1996.

>> Beginnings of my path to academia

Entering the workforce at the time when the Internet was starting to reach and impact people in their homes and workplaces all around the world, I decided to take the opportunity to join the world of academia to help young engineers experience the satisfaction of being able to use their STEM knowledge, creativity, and passions to design and develop solutions that can help society in meaningful ways.

>> In the Future

With growing numbers of students eager and willing to do work in English to learn it rather than learn English to do work, there will be greater opportunities for research discussions and collaborations outside of the university laboratory that will prepare students for the workforce even outside of Japan.

>> After Graduation

By emphasizing the development of professional communication skills throughout the research process, graduates enter the workforce with versatile skills in adapting their work discussions with colleagues, audiences, clients, etc. who can be from different backgrounds and fields.



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Applied Chemistry

Energy and Environmental Materials

Water Environment and Civil Engineering

Electrical and Electronics Engineering

Mechanical Engineering and Physics

Intelligent Mechanical Engineering

Architecture

Computer Science and Mathematical Informatics

Computer Science and System Design Technology