

Professor Naruki Shirahama Presents at FSS2026 Curator Session and Receives a Certificate of Appreciation from SOFT

Professor Naruki Shirahama of the Department of Data Science, Faculty of Data Science, Shimonoseki City University, spoke in the special “Curator Session” program at the 42nd Fuzzy System Symposium (FSS2026) on September 4, 2026. The program brought together research to connect and broaden perspectives across disciplines. He subsequently received a Certificate of Appreciation issued in the name of Masahiro Inuiguchi, President of the Japan Society for Fuzzy Theory and Intelligent Informatics (SOFT), in recognition of his contributions through his presentation and participation in discussions.

FSS2026 was held from September 2 to 4, 2026, at Kansai University’s Senriyama Campus.

Selected for a Special Program Connecting Research Fields

The Curator Session was a new interdisciplinary initiative organized by President Inuiguchi and SOFT’s committee on future planning. Presentations were selected from all registered symposium submissions and brought together around a shared theme, creating an opportunity for researchers from different fields to exchange views and develop new perspectives and ideas. President Inuiguchi also took part in selecting the presentations.

The research by Professor Shirahama and his collaborators was selected as one of four presentations under the theme “AI and Emotion.” In addition to presenting in a regular session, Professor Shirahama introduced the research and took part in discussions in this special program.

Clarifying the “Yardstick” Used in AI-Based Emotion Scoring

The presentation focused on the “yardstick” used to interpret emotion scores produced by large language models (LLMs). Scores on a scale from 0 to 100 can be described in terms of how strongly they belong to the categories “Low,” “Medium,” and “High.” When the shape of the curves used to assign these degrees of membership changes, the value of an indicator of ambiguity can also change—even for the same score.

The study compared three types of “membership functions” used for this mapping. It proposes reporting not only the indicator values, but also the functions and settings used, together with how the indicator changes when those choices vary. This foundational research aims to help distinguish characteristics of AI outputs from the effects of the evaluation method, while enabling other researchers to check the conditions and reproduce the results.

The research was conducted in collaboration with Naofumi Nakaya of Juntendo University and Satoshi Watanabe of Shizuoka Institute of Science and Technology.

A Certificate of Appreciation for Contributions to the Program

The certificate, dated September 4, 2026, recognizes Professor Shirahama’s contribution to the success of the program through his outstanding presentation and participation in discussions. It also notes that his presentation, drawing on specialist expertise, stimulated participants’ thinking and ideas and opened up new possibilities for research on intelligence.

Professor Shirahama and his coauthors have also submitted a Japanese-language short note based on the presentation to the FSS2026 Short Note Special Issue of SOFT’s journal, the Journal of Japan Society for Fuzzy Theory and Intelligent Informatics (知能と情報).

Presentation Title

Membership Specification and Sensitivity Reporting for Fuzzy-Entropy-Based LLM Emotion Scoring

Certificate Image Caption

Certificate of Appreciation from the Japan Society for Fuzzy Theory and Intelligent Informatics, dated September 4, 2026, recognizing Professor Naruki Shirahama’s contributions through his presentation and participation in discussions in the FSS2026 special program.

Image Alt Text

Certificate of Appreciation addressed to Professor Naruki Shirahama, recognizing his selection as a speaker in the FSS2026 Curator Session and his contributions through presentation and discussion. Dated September

4, 2026, and issued in the name of the President of the Japan Society for Fuzzy Theory and Intelligent Informatics.

Related Link

[Official website of the 42nd Fuzzy System Symposium \(FSS2026\)](#)