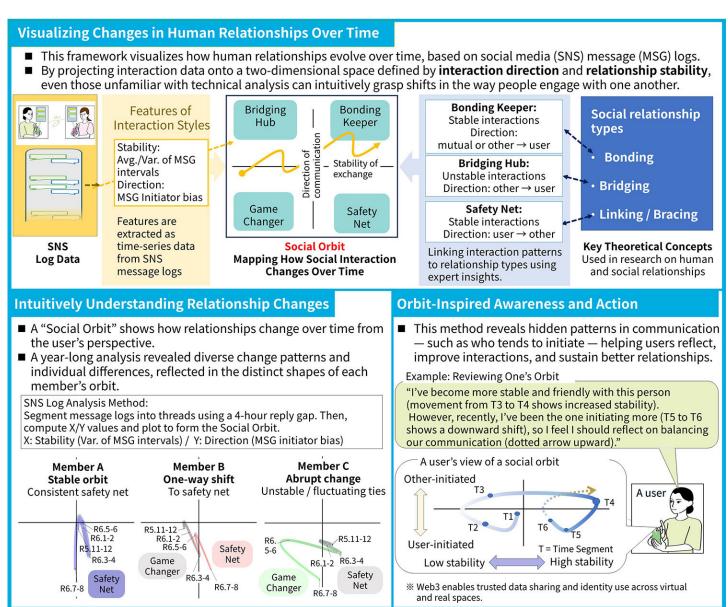
## Capturing temporal relationship changes on SNS

## **Abstract**

Understanding human relationships can be difficult, especially for non-experts. This exhibition introduces "Social Orbit," a method that visualizes how personal and social ties evolve over time by analyzing short message logs, such as those on social media. Drawing on insights from sociology and social psychology, the system transforms interaction patterns—like message frequency and timing—into two-dimensional trajectories that reflect shifts in the nature and type of interpersonal relationships. These visualizations help people identify opportunities to maintain or enhance their social connections. By making the dynamics in human relationships visible, this framework opens up new possibilities for individuals to better understand and adapt their social behavior in today's increasingly complex society.



## References

[1] A. Arakawa, R. Tanaka, K. Sakakura, J. Watanabe, K. Maruya, "Exploring the practice of "team KAZOKU": third-party involvement in childcare and the visualization of social relationships," in Proc. *Interaction 2025, Information Processing Society of Japan*, pp. 1407-1412. (in Japanese)

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