**Attachment D: Robot Experience Questionnaire**

**Robot Experience Questionnaire**

* + - 1. **Prior experience with industrial robots**
	1. Do/did any of your previous or current workplaces have ANY types of robots operating in the work areas?

YES | NO

**If you answered ‘No’ to the previous question, skip to Question 2.**

* 1. Which of the following types of robots does/did your workplaces have? Check all that apply.
		+ - * Traditional industrial robots, such as work in robotic cells and cages away from human workers
				* Collaborative robots, that may physically interact with humans in a shared workspace
				* Mobile robots or autonomous ground vehicles
				* Aerial robots or drones
				* Wearable robots or exoskeletons
				* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. How long have you used or worked with the technology that you selected above?

\_\_\_\_\_\_\_ years

* 1. How often have/had you worked in direct interaction or within a shared work area with the selected robot(s)?
* Never
* Hardly ever
* Occasionally
* Quite often
* Frequently
* Nearly all the time
	+ - 1. **Following questions will ask your opinion regarding current and future robots in workplaces.**
1. Using a percentage, please mark how many jobs do you think will be replaced by robots in **10** years (by year 2030)?

0% – 10% – 20% – 30% – 40% – 50% – 60% – 70% – 80% – 90% – 100%

1. Using a percentage, please mark how many jobs do you think will be replaced by robots in **30** years (by year 2050)?

0% – 10% – 20% – 30% – 40% – 50% – 60% – 70% – 80% – 90% – 100%

* + - 1. **Following questions will ask your attitudes towards robots in general. Please indicate to what extent you agree or disagree with each of the following statements on a 5-point scale:**
1. I would feel uneasy if robots had emotions.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. Something bad might happen if robots developed into living beings.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I would feel relaxed talking with robots.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I would feel uneasy if I was given a job where I had to work alongside a robot.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. If robots had emotions, I would be able to make friends with them.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I would feel comfortable being with a robot that had emotions.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. The word “robot” means nothing to me.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I would feel nervous operating a robot in front of other people.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I would hate the idea that robots or artificial intelligences were making judgments about things.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I would feel very nervous standing in front of a robot.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I feel that if I depend on robots too much, something bad might happen.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I would feel paranoid talking with a robot.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I am concerned that robots would be a bad influence on children.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

1. I feel that in the future, society will be dominated by robots.

(I strongly disagree) 1---2---3---4---5 (I strongly agree)

*Question 3: Negative Attitude Toward Robots Scale: Nomura T, Suzuki T, Kanda T, Kato (2006). Measurement of negative attitudes toward robots. Interaction Studies 7(3):437-54.*

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