

# 未来 2018

<http://mirai.ventures/>

未来2018(MIRAI2018) is Japan's No.1 business incubation/acceleration program that aim to develop and support start-ups that brings social impact

Final pitch session

March 8<sup>th</sup>, 2018 at Rihga Royal Hotel Osaka

Medical care/Healthcare, Robotics and element technologies, AI, IoT/Sensors, Big Data, Security/Safety, Sharing Business, Retail-tech, Fintech, Block chain/ DAO, legal-tech, Drone, Telematics/ Connected Automobiles, Cool Japan, VR/AR/MR, Media and entertainment, Agri-tech, Food-tech, Energy, New materials, Aerospace, Social Business, Resilience (Disaster Prevention/Loss of Damage)

MIRAI2018 supports start-ups, carve-outs of companies and persons who will found their companies through our training program and meet-up events with larger companies and investors in order to realize innovation.

Industry

All Industries

Eligibility

Start-ups/Carve-outs at SEED and Early stage, Entrepreneurs, Academic researchers/students who have business ideas

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## Time schedule

Sector	No.	Team	Business Plan	Business Plan Outline
	9:30	<b>Opening Remarks</b>	Kimio Matsuura Senior Managing Executive Officer Sumitomo Mitsui Banking Corporation	
	9:35	<b>The Japan Research Institute "Whole picture of MIRAI2018"</b>	Hironobu Azuma Principal The Japan Research Institute, Limited.	
Robot, AI, and IoT	9:45	1 <b>AI Silk Corporation</b>	Measuring vital data with conductive silk	AI Silk electrode is a conductive fiber made with coating silk or artificial fiber with conductive polymer. It has a softer texture than existing biological electrodes and does not cause rashes and mental stress even after extended use. Its high conductivity ensures accurate measurement of vital data without being affected by sweat or violent body movement. We aim to expand its use into many areas including the sports, nursing care, healthcare, medical, and automotive fields.
	9:53	2 <b>PLANTIO, Inc.</b>	Building a community where each member becomes their own "Farmer", cultivating vegetables and creating a lifestyle centering on food and agriculture	We provide a "Cloud Farming Service" that allows community members to become farmers, cultivating vegetables together through our smart planter. We aim to build a world under the theme, "Social Grow our own," where people can grow their own vegetables safely with support of AI through IoT and our community, breaking free of sole reliance on existing agriculture.
	10:01	3 <b>A10 Lab Inc.</b>	The "Minchalle" App encourages people to try again	We are developing an app called "Minchalle (let's challenges each other)," which helps users stick to their personal goals through a technology that encourages people to change their behaviors.
	10:09	4 <b>Spacelink Co., Ltd.</b>	Providing solutions to battery and positioning information problems in the robotics and mobility industries	Our next-generation power storage device and high-precision positioning technology, backed by our experiences in space technology, will address the two-way challenge facing the robotics and mobility industries (including drone, robot, autonomous driving EV, etc.), who are in search of superior energy devices, stabilers and more accurate positioning information. We have white-box technologies through consistant basic research done in-house, making our product flexible to any specification. Our technologies will contribute to not only the refinement of existing technologies but also innovation.
	10:17	5 <b>StockMark Inc.</b>	AI-powered Anews distributes all the news on the web your team needs every day.	20% of white-collar work is said to be information gathering. Furthermore, despite the fact that the industry news to be checked by teams remains the same, each individual still collects information, which is redundant and inefficient. Anews aggregates and analyzes over 100,000 news articles released daily by 10,000 media from all over the world. From these the most appropriate articles are selected and customized for each company/department through advanced AI for distribution, dramatically improving information-gathering efficiency for businesses.
	10:25	6 <b>Unirobot Corporation</b>	UNIBO, the world's first robot to distinguish between individuals	We are creating a partner robot, Unibo, that has proprietary personal AI and can communicate with people. It can prevent dementia through daily chat. It is also capable of learning the personal character of its owner to offer information based on the owner's lifestyle and taste (restaurant, travel, traffic information, weather, etc.), make reservations, or purchase everyday goods. In the long term, we aim to build a platform to provide solutions to various social problems by linking the information accumulated in the cloud through Unibo with hospitals and smart-home functions.
	10:33	7 <b>Creator's NEXT</b>	KOBIT will take care of it for you while you sleep	If you are in charge of web marketing, you are most likely going back and forth between Google Analytics, Excel, and PowerPoint to produce a monthly report. KOBIT will completely change that. Through an automatic link with Google Analytics, it automatically creates a web analytics report in one minute, which would take a top-class professional analyst three days to produce. The price is unbelievably low...only 5,000 yen a month!
	10:41	● Break		

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Innovative materials and new energy	10:51	8 <b>Indent Probe Technology Inc.</b>	Material designing solutions for your materials genome strategy	Our customers' needs for material are multi-faceted: designing of hybrid material, utmost precision of interfaces, lightness and safety, application under special conditions, etc. We handle their requests with speed and accuracy, measuring materials' mechanical properties on a micro level. We support customers in designing materials that are the source of their competitiveness, investigate the aging problem under user environment, and analyze the cause of product deficiency by checking material quality. We take advantage of our accumulated data, as well as big data analytics acquired through AI, to shorten the time for development and designing, enhancing our customers' competitive advantage.
	10:59	9 <b>NEXTWAY CO, LTD.</b>	Ultra-Light Revolution: New ultra-light material will change the world	NEXTWAY defies conventional wisdom, "the strong is heavy, the light is fragile," for material. We plan, develop, and produce "Polymaterial," a new type of material made of Styrofoam with a special coating. Polymaterial is light and strong, and highly malleable. Our robotic mass-production system manufactures Polymaterial of uniform membrane thickness into any shape, no matter how small, complicated, or intricate, and is capable of handling large-lot orders that manual operation is unable to cope with.
	11:07	10 <b>Goiku Battery Co., Ltd.</b>	Energy management through battery diagnosis technology	It is expected that cars running on fossil fuels will be banned in Europe by 2040, leading to the beginning of a battery society with a huge increase in the production of rechargeable batteries, including lithium-ion batteries. Today, however, there is no precise method to measure the exact capacity and performance of rechargeable batteries. It requires long hours and large-scale test equipment to determine the capacity accurately, following the traditional method of repeating full-charging and discharging. We are the first in the world to have developed the technology to measure the full capacity and remaining capacity accurately in a much shorter time. We aim to commercialize this battery diagnosis equipment.
	11:15	11 <b>Yume-Shokken Co., Ltd.</b>	Food enzyme opens up new horizons in seafood business	We make seafood products, focusing on retaining the original taste, flavor, and nutrition as much as possible. Most of "Nama wakame (raw wakame seaweed)" sold today is actually boiled and salted for preservation. We have developed a new way to preserve raw wakame for an extended period by using a special food enzyme without boiling and salting, while maintaining its fresh flavor and minerals. Our wakame can be eaten all year round.
	11:23	12 <b>Lakshmi</b>	Seabed mineral-resource extraction system	Under the deep seabed to the south of Japan lie rich mineral resources including precious and rare metals. Extraction of deep sea minerals has long been carried out the same way as extraction of submarine oil; through the use of ultra-pressurized submersible pumps to send crushed ore to the surface with sea water. This method presents many issues, including scalability, worn-out equipment, cost reduction, and pollution, to which no immediate solution is in sight. However, we have fundamentally overcome technical barriers with the help of JAXA's space technology and the brains of private military technologists, developing a sperm-whale shaped submarine with balanced internal/external pressure and hydrogen gas buoyancy.
11:31	●Lunch Break			
12:30	<b>Stories after "MIRAI2017" by the awarded teams</b>		<ul style="list-style-type: none"> <li>·AISing Ltd.</li> <li>·SUSMED(Sustainable Medicine), Inc</li> <li>·FOODPICT Inc</li> </ul>	

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Sector	No.	Team	Business Plan	Business Plan Outline
IT- Based Services	13:00	13 <b>ZAICO Co., Ltd.</b>	Optimal inventory management leads to innovative B2B transactions	Optimization of inventory is critical for superior business performance. There are three elements required for the optimization of inventory: accurate and efficient control of inventory, extensive network for sharing inventory information, and simpler business transactions. ZAICO, our cloud-based inventory management service, is used by more than 50,000 customers. We will advance the service to build a B2B network with which users can share inventory information and even make business transactions among themselves, revolutionizing inventory management and B2B transactions.
	13:08	14 <b>Nanatsuboshi Co., Ltd.</b>	SAKELOGY, Cloud-Based Japanese Sake Navigation, entertains tourists from all over the world!	SAKELOGY is a cloud-based translation service, providing easy solutions for restaurant owners to create an authentic sake list in foreign languages. We've found a big gap between foreign visitors' increasing appetite for Japanese sake and restaurant owners' hesitation in providing proper introductions to the drink by foreign languages due to lack of knowledge and human resources. SAKELOGY fills this gap and helps improve efficiency and increase sales. We aim to revitalize the sake market, which has shrunk to a third of what it was at its peak, by more accurately conveying its charm to visitors from all over the world.
	13:16	15 <b>FOLIO Co., Ltd.</b>	New investment platform that allows you to choose your favorite themes and benefit from advanced fintech	We are an independent online security company focused on domestic shares, established in Japan for the first time in 10 years. Based on our mission of "barrier-free investment," we have developed a next generation investment platform for thematic investing. Our customers can take full advantage of our advanced technology and professional advice for their small-scale, diversified investments with lower commissions, through exciting UX and UI.
	13:24	16 <b>VACAN, Inc.</b>	Real-time notification of vacant seats through digital signage	Information on seat availability or length of wait is aggregated through IoT and AI (image recognition). Based on this, our big data analytic tool optimizes the number of digital coupons to be distributed and displays the sign logic on a real-time basis. Our digital signage system keeps evolving, enabling our users to find vacant seats anywhere and to immediately minimize disappointment upon arrival at their destination.
	13:32	17 <b>AnyTimes Inc.</b>	Creating a new community by connecting different life and work styles of its people	AnyTimes is a platform for matching people's needs. If someone is looking for services, such as domestic works, assembling furniture, pet sitting, or English conversation lessons, AnyTime will match them with someone who is offering their experience and skills in that area. Once registered, users can both offer and receive services. By connecting the different needs of many people we create a new community.
	13:40	18 <b>Nain Inc.</b>	Development and sale of hearables to create eyes-free internet	Our hearables are equipped with voice-UI, including voice recognition that enables voice interactions such as reading out notifications and email messages. Users can go about their day and concentrate on their work without needing to look at screens. Software development is our core focus and we will continue to expand globally through collaboration with partners, including audio equipment manufacturers.
	13:48	●Break		

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Sector	No.	Team	Business Plan	Business Plan Outline
Others	13:58	19 <b>Elephantech Inc.</b>	P-Flex technology: Creating electronic circuits with inkjet printing	Electronic circuits have long been made via an etching process, making circuit patterns by applying copper laminate to the board surface and melting away unrequired sections. Elephantech has developed a technology where metal is printed onto the required areas only. This a world-first technology that has decreased the cost of prototyping by 90% and is applicable to mass manufacturing, freeing manufacturers from the curse of lot sizes and initial costs. We have entered a growth phase, dealing with sizable orders from an industrial machine manufacturer through factory expansion.
	14:06	20 <b>GP Biotech Inc.</b>	Innovative agricultural project with Freeze-Thaw Awakening Technology	We will fundamentally renew Japanese agriculture with innovation, creating a profitable agricultural business through the application of Freeze-Thaw Awakening Technology—our proprietary biotechnology—to agritech. We will also provide safe and savory Japanese food with pesticide-free cultivation throughout the world. Our ultimate goal is to contribute to society by freeing humankind from the fear of food crisis through agricultural development in Siberia.
	14:14	21 <b>La Terra Ltd.</b>	Contributing to a healthy society with a high-quality plant factory using sterilized soil	We propose a new type of plant factory with the world's first sterilized (no germs, mold, or insects) artificial soil. High-quality vegetables of all kinds, including root vegetables that are hard to grow with hydroponics, are cultivated without pesticides in a clean environment. Our aim is to help consumers attain good nutritional balance. Plants are cultivated only with the water in our system, providing a big advantage over hydroponics with 50% cost reduction in facility and equipment.
	14:22	22 <b>Co-LABO MAKER Inc.</b>	Co-LABO MAKER, Sharing platform for test equipment and technology	Co-Labo Maker is an R&D platform to share test equipment and technology, matching the needs of those who want to use test equipment or technology with those who want to offer them for profit. First, we create the database of equipment and technologies, which have so far been unavailable, and ready them for used. Users take advantage of equipment and technologies without the need for a big investment or facilities, while providers make extra profit from existing equipment and technologies as well as market information.
	14:30	23 <b>Tekisei Jiban Kozo Co., Ltd.</b>	Industry-first construction management system that prevents falsification of data by making entire on-site work process transparent through information sharing between clients, architects, and constructors	Data falsification is a serious problem in today's society. In the construction industry, falsification of data for piles used in a Yokohama apartment was reported two years ago but no effective data protection measure has been established. To provide a solution, we aim to commercialize a construction management system using our proprietary technology with IoT, with which clients, architects, and constructors share construction information on a real-time basis to prevent data falsification. It will help the construction industry improve customer satisfaction and regain trust.
	14:38	24 <b>Raikouben Inc.</b>	Share your own handwritten in-store ads on Popstar, a new two-way communication service	Salespeople create handwritten in-store ads to promote products they like. Now, create and share your own in-store ads and post them on Popstar, our SNS. Ads posted on Popstar are displayed with AR (augmented reality) in physical stores, creating a new two-way product promotion with both salespeople and consumers involved.
	14:46	● Break		

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Medical/ Healthcare	14:56	25 <b>OutSense Diagnostics Ltd</b> *An Israeli firm	IoT sensor for early detection of illness and wellness monitoring tool	OutSense is developing an IoT monitoring sensor attachable to toilets to prevent colorectal cancer. Day-to-day monitoring of excretion improves the accuracy of detection. Our system creates a daily report on user's physical condition, which is then processed through innovative imaging technologies, and the output is then used to improve the user's gastrointestinal health.
	15:04	26 <b>T-ICU Co., Ltd.</b>	Remote intensive-care support by a team of specialists	T-ICU is a team of emergency and intensive care specialists (intensivists). Reports of severe ill treatment indicate there is a better chance of improvement if intensivists are involved into the treatment, but there are not enough of them and they are mainly work only in major cities. We monitor ICU patients from outside the hospital through ICT (tele-ICU) and offer appropriate medical advice as needed, aiming for overall improved recovery. The system removes geographical limits, enabling the provision of high-level medical care nationwide.
	15:12	27 <b>BeCellBar LLC</b>	Promote "medium-molecular medicine," next-generation medication, through barrier regulation technology	Tight junctions are barriers inside the human body that prevent the invasion of foreign substances, and breakdown of these barriers causes inflammation and infection. At the same time, these barriers also prevent advanced medication like Medium-molecular medicine to penetrate through due to their size. We have developed a new absorption enhancer that regulates tight junctions to help medium-molecular medicine pass these barriers, allowing the medicine to be administered in the form of tablets and patches rather than injections.
	15:20	28 <b>BackTech Inc.</b>	"Pocket Therapist," an app for managing lower-back pain, helps improve employee productivity	"Health and Productivity Management" is a buzzword among corporations recently, but medical research reveals the main cause of deteriorating employee productivity is lower-back pain. "Pocket Therapist" offers a health-management support service, managing and providing solutions to the problems causing lower-back pain through a mobile app. We are also working with the Graduate School of Medicine at Kyoto University to develop a program based on their research, quantifying lowering productivity and the related business losses.
	15:28	29 <b>Alivas Inc.</b>	Innovative medical device that cures obstinate constipation	More than 10 million people in Japan are suffering from constipation. Many patients are living under difficult conditions because laxatives do not provide a cure for obstinate constipation and a pancolectomy is rarely performed due to its high invasiveness. Aliva has developed a medical device that mitigates constipation almost indefinitely with a single treatment, offering the world's first minimally-invasive alternative.
	15:36	30 <b>NOVIGO</b>	Development and sale of vaccine patches	"Vaccine patches" enable self-vaccination at home or work to prevent infection. The innovative product, developed from the patented technology of Kyushu University, helps businesspeople or students who are too busy to visit a local clinic, as well as those sensitive to needle injection. Our goal is to create a world without the risk of infection through "easy access to medical services," our philosophy, by offering self-vaccination products in drug stores and convenience stores nationwide.
	15:44	31 <b>At Co., Ltd.</b>	"Capillary Scope," a new health indicator, will encourage more visitors to change their behaviors	We have developed "Capillary Scope," a technology that provides an easy noninvasive health check by simply scanning an oiled fingertip, as well as the "Capillary Analysis System," a co-development with Osaka University. We are currently creating a database of 1,000 healthy people jointly with RIKEN Research Complex and the Center for Supercentenarian Medical Research at Keio University to establish a new health indicator to encourage people to change their behaviors.
	15:55	Special Event by III Consortium		
16:45	Award Ceremony			
17:45	Closing remarks		Masahiro Fuchizaki President and CEO The Japan Research Institute, Limited.	