

List of oral presentations, Symposium presentations and other presentations

	Presentation No.	Presentation Date	Name	Title
Movie Screening	Conserv'Session	22-Jun	Annegret Moto Naito	Changing the perception of zoos and animal welfare: Screening of BBC Horizon "Should We Close Our Zoos? " and discussion session
Oral Presentation	O1	23-Jun	Takumi Sasaki	Spread of environmental enrichment in SCZoo
	O2	23-Jun	Eileen Kat Tuite	The eye of the beholder: enrichment from the zoo keeper perspective
	O3	23-Jun	Jon Charles Coe	Enrichment Through Animal Rotation, Tree-Top Trails and the 5C's
	O4	23-Jun	Tadatoshi Ogura	Collaborative project between Kitasato University and Japanese zoos on environmental enrichment for education and academic research
	O5	23-Jun	Hanna Chin	A comprehensive enrichment program for domestic program animals in the zoo setting
	O6	23-Jun	Robert Young	Should we pamper zoo animals?
	O7	23-Jun	Kenji Wako	Built-in Enrichment Renovation at Tokiwa Zoo in Ube, Japan: Brachiation Forest for White Handed Gibbon
	O8	23-Jun	Erin Louise Gardiner	Asian Elephant Enrichment - Past, Present and Future
	O9	23-Jun	Isabella Clegg	Using anticipatory behaviour to evaluate enrichment: dolphins looked forward most to non-food interactions with their trainers
	O10	23-Jun	Ruta Vaicekauskaite	Environmental enrichment as a tool towards positive changes of Black Sea bottlenose dolphins' attitude and participations during educational presentations
	O11	23-Jun	Zulfikar Basrul Gandong	The influence of classical music stimulation to captive californian sea lions ( <i>Zalophus californianus</i> ) behavioral responses
	O12	23-Jun	Signe Preuschoft	Rehabilitation for later Re-Introduction: Choosing Appropriate Enrichment for Rescued Ape Orphans
	O13	23-Jun	Vanessa Gris	Facial Expressions of Acute Pain in Japanese Macaques: development of an assessment tool
	O14	23-Jun	Shintaro Ishizuka	Bonobos' saliva remaining on the pith of terrestrial herbaceous vegetation can serve as non-invasive wild genetic resources
	O15	23-Jun	Nelson Broche	Salivary alpha-amylase is a biomarker of acute stress in Japanese macaques ( <i>Macaca fuscata</i> )
	O16	23-Jun	Dingzhen Liu	Is excretion of mucous stools associated with captivity in the giant panda?
	O17	23-Jun	XiaoChan Yan	Functional divergence of bitter taste receptor TAS2R38 in Sulawesi Macaques
	O18	24-Jun	Belinda Ann Hall	Cognitive enrichment for parrots: effects of design and personality
	O19	24-Jun	Wataru Anzai	Natural breeding behavior of pinioned common shelduck through the underground nest box
	O20	24-Jun	Chaya Chathurani Sarathchandra	Conservation of endemic <i>Pycnonotus penicillatus</i> considering the relative impacts of landscape change on its Ecology, Feeding and breeding behavior in Knuckles mountain range of Sri Lanka.
	O21	24-Jun	Uday Kumar	Herbs composition, diversity and their conservation strategy in biopark of jnanabharati campus , Bangalore University.

O22	24-Jun	Novi Utami Rosyid	Analysis of eco-literacy and environmental awareness using mangrove storytelling for coastal children education
O23	24-Jun	Kota Okabe	Use of cardboard boxes as environmental enrichment for captive tigers ( <i>Panthera tigris altaica</i> )
O24	24-Jun	Chiho Nakamura	Eurasian Otter's Natural Nursing Behavior Induced by Recreating the Wild Habitat in the Exhibition Enclosure.
O25	24-Jun	Afiqah Mizan	Population Estimate of Bornean Orangutans at Rehabilitated Eastern Bukit Piton in Sabah
O26	24-Jun	Saki Yasui	Environmental enrichment and birth support for western gorillas at the Kyoto City Zoo
O27	24-Jun	Morgane Allanic	Reciprocal turn-taking of social grooming in captive and wild Pan species
O28	24-Jun	Yuko Tsunekawa	Let Koalas enjoy the arboreal life. ~a project of Osaka Tennoji Zoo, Japan.
O29	24-Jun	Debby Ng	Practical Application of Environment Enrichment at a Rescue Centre in South-East Asia
O30	24-Jun	Naruki Morimura	Measuring a degree of spatial freedom in wild chimpanzees, Bossou
O31	24-Jun	Kelly Chew	Strategic usage of enrichment in increasing animal activity and visibility
O32	24-Jun	Yumi Yamanashi	Filling the gap: animal welfare risk assessment and its application to enhance the quality of life of zoo animals
O33	24-Jun	Kanako Tomisawa	The zoo tells you animal welfare. – the introduction of Omuta City Zoo -
O34	25-Jun	Ikki Matsuda	Connection between Wild and Captivity: a case study on endangered proboscis monkeys
O35	25-Jun	Jie Liu	Modeling Habitat Suitability for Yunnan Snub-nosed Monkeys in Laojun Mountain National Park
O36	25-Jun	Himani Nautiyal	Struggle for existence: An investigation to decode perception of farming community towards non-human primate and their interactions in western Himalayas
O37	25-Jun	Sumir Keenan	Long-term vocal recognition of past social partners in bonobos.
O38	25-Jun	Saein Lee	Visitor effect and the impact of isolation on the behavior of yellow-cheek gibbon ( <i>Nomascus gabriellae</i> ) and white-handed gibbon ( <i>Hylobates lar</i> ) in captivity
O39	25-Jun	Marsenia Trinanda Haris	Keeper Preference as a Sensory Stimuli in Positive Reinforcement Training for Four Species of Reptiles
O40	25-Jun	Noe Nakashima	Implementation of husbandry training to provide medical care to an old puma
O41	25-Jun	Andrew J. J. MacIntosh	Show me chaos! Seeking fractal time in captive animal behavior
S1	23-Jun	Sukumar Raman	The four pillars of captive elephant welfare in Asia
S2	23-Jun	David Shepherdson	Elephant enrichment and welfare
S3	23-Jun	Etsuo Narushima	Update on Elephants welfare at JAZA member institutions
S4	23-Jun	Kyoko Kuroda	Introduction of new elephants to a former solitary captive elephant: the process of forming social relationships
S5	23-Jun	Shintaro Hagiwara	Effects of Environmental Enrichment on the Behavior of a Female Borneo Elephant ( <i>Elephas maximus borneensis</i> ) with Tuberculosis in Fukuyama Zoo, Japan.
S6	23-Jun	Fay E Clark	Gorilla Game Lab: Developing High-Tech Cognitive Enrichment for Zoo-Housed Gorillas

## Symposium

S7	23-Jun	Christopher F Martin	Primate Touch-Panel Tasks for Research and Enrichment at Zoos: Hardware, Software, and Training Methods
S8	23-Jun	Yutaro Sato	Great apes' psycho-physiological response toward others' injury and pain: a thermal imaging study
S9	23-Jun	Yuri Kawaguchi	Chimpanzees, but not bonobos, attend more to infant than adult conspecifics
S10	23-Jun	Jie Gao	How chimpanzees perceive other species: embodied and visual expertise
S11	23-Jun	Tsuyoshi Shimmura	Toward Animal Computer Interaction
S12	23-Jun	Shigeru Ninomiya	Environmental enrichment for self-grooming in farm and zoo animals
S13	23-Jun	Shogo Higaki	Recent advancement in wearable sensing technologies for cattle health management, particularly of body surface temperature sensing
S14	24-Jun	Stephen R Ross	A multifaceted approach to providing opportunities for chimpanzees to thrive in captive settings
S15	24-Jun	Crickette Sanz	Studying Chimpanzees and Gorillas across Contexts to Enhance Welfare and Conservation
S16	24-Jun	Cat Hobaiter	What the study of ape gesture can tell us about ape minds.
S17	24-Jun	Rebecca Johnson	Management of captive and wild koala populations – lessons and applications from the koala genome
S18	24-Jun	Hiroo Imai	Feeding behaviors of animals and sense of taste
S19	24-Jun	Miho Murayama	Understanding genetic background of personality for stress management in captivity
S20	24-Jun	Francis Cabana	Enriching the gut microbiome may provide more benefits than enriching the animal
S21	24-Jun	Takashi Hayakawa	
S22	24-Jun	Kazunari Ushida	Ex-situ conservation of endangered animal species and the role of zoos for future re-introduction
S23	24-Jun	Francis Cabana	How nutrition, diets and food presentation taken from the wild can be fuel for positive welfare
S24	24-Jun	Sayaka Tsuchida	Ex-situ conservation protocol of Japanese Rock Ptarmigans based on their natural intestinal environment
S25	24-Jun	Mitsunori Nagao	Ex situ conservation of the Tsushima Leopard Cat by the cooperation with JAZA and MOE
S26	24-Jun	Takashi Nagamine	Ex-situ conservation of Okinawa Rail ( <i>Hypotaenidia okinawae</i> )
S27	24-Jun	Daisuke Watanabe	Attempted captive conservation breeding of Japanese night herons <i>Gorsachius goisagi</i> and Amami spiny rats <i>Tokudaia osimensis</i>
S28	24-Jun	Satoshi Hirata	Study of feral horse behavior in Serra D'Arga, Northern Portugal
S29	24-Jun	Enrique Alonso Garcia	Animal cognition and animal welfare: feral horse social behavior and its translation, as applied animal welfare science, to domestic horse management
S30	24-Jun	Coby J Bolger	Indicators for Equine Wellbeing and the Relationship with Nutrition
S31	24-Jun	Masaki Tomonaga	Use of the touchpanel system for exploring the horse mind

	S32	24-Jun	Monamie Ringhofer	Behavioral responses of feral horses toward dying and dead conspecifics
	S33	24-Jun	Shinya Yamamoto	Investigation of social structure of feral horses using drones
	S34	25-Jun	Naoko Suda-Hashimoto	Introduction for the session
	S35	25-Jun	Toshihiro Endo	Remodeling the Housing and Behavioral Testing Environment for Laboratory Mouse Models of Human Diseases: IntelliCage System and Beyond
	S36	25-Jun	Takako Miyabe-Nishiwaki	Facial expression as a tool for assessment of pain in animals
	S37	25-Jun	Hironari Koyama	Effects of social housing as environmental enrichment on behaviors and biochemical parameters in juvenile cynomolgus monkeys ( <i>Macaca fascicularis</i> )
	S38	26-Jun	André Gonçalves	Managing death in social animals: the case for non-human primates
	S39	26-Jun	Claire F I Watson	Nonhuman primate mothers behavior toward their dead infants: captive welfare issues
	S40	26-Jun	Nachiketha Sharma	Lessons from the wild: Behavioral responses of Asian elephants towards dying conspecifics and its possible implications on welfare of captive elephants
	S41	26-Jun	Tetsuji Iseda	Being grateful for sacrifices of animals: Japanese animal ethics as a kind of relational ethics
	S42	26-Jun	Josue S. Alejandro Pastrana	Animal Memorials: A welfare practice for animal and caregivers
	S43	26-Jun	James R Anderson	Captive primates and stress: self-aggression, self-injurious behaviour, but no suicide: Why?
	S43	26-Jun	Angela Miller	Cultivating a Behavior-Driven Enrichment Program
Other	OT1	24-Jun	Megan Reinertsen Ross	Developing a Work Life Balance as a Zoo Executive
	OT2	25-Jun	Hannah Buchanan-Smith	Enrichment for primates in laboratories and zoos: Same principles, different constraints
	OT3	25-Jun	Naoko Sugiyama	
	OT4	25-Jun	Jodi Carrigan	Overview of the Zoo Atlanta Gorilla Training Program
	OT5	25-Jun	Kazuyuki Ban	Case Study of Husbandry Training at Omuta City Zoo
	OT6	25-Jun	Valerie Hare	A practical approach to enrichment
	OT7	26-Jun	Daniel S Mills	Environmental Enrichment in the Horse (and other animals)