

Courses winter term 2020/21 for Cognitive Systems FSPO 2017

from 2020/10/23

Basic Subject

Course program Psychology for non-psychologists

Course	planned implementation	Course-#	Hours	ECTS	Organizer	Course pre-registration?	Link to LSF
Introduction to Psychological Methods and Statistics for non-psychologists	online	CS8751.000	2 + 2	6	M. Ernst	no	Link to LSF

Course program Computer Science for non-computer Scientists

Course	planned implementation	Course-#	Hours	ECTS	Organizer	Course pre-registration?	Link to LSF
Introduction to Computer Science for non-computer scientists	online	CS6307.000	3 + 1	6	Y. Kazakov	no	Link to LSF

Course program Computer Science for all participants

Course	planned implementation	Course-#	Hours	ECTS	Organizer	Course pre-registration?	Link to LSF
Fundamentals of Human-Machine Interaction -> in Summer Semester 2021 Foundations and Concepts of Cognitive Systems Modeling	online	CS7887.000	2 + 2	6	D. Braun	no	Link to LSF

Interdisciplinary Subject

Course	planned implementation	Course-#	Hours	ECTS	Organizer	Course pre-registration?	Link to LSF
Cognitive Systems I	online	CS7882.002	3 + 1	6	M. Ernst, D. Braun, C. Herbert	no	Link to LSF
Recent Developments in Cognitive Systems Research	online	CS8755.000	2 + 1	6	M. Ernst	no	Link to LSF

Special Subject

Course	planned implementation	Course-#	Hours	ECTS	Organizer	Course pre-registration?	Link to LSF
Perception							
Theories and Application of Navigation in Men and Machine	online	PSY74646.001	2 + 2	6	M. Ernst with Ch. Roy	yes, before 19.10.2020	Link to LSF
Deep Learning for Graphics	online	CS8195.000	2 + 2	6	T. Ropinski mit P. Hermosilla	no	Link to LSF
Can you hear it? – Auditory Perception and Sound Source Localization	online	PSY75224.001	2 + 2	6	M. Ernst with T. Oess	yes	Link to LSF
Learning & Memory							
Advanced Methods in Data Mining and Machine Learning	online	CS6653.000	2 + 2	6	A. Scherp	no	Link to LSF
DeepVision - Deep Learning and Convolutional Neural Networks in Computational Vision	presence	CS8015.000	2 + 2	6	H. Neumann	no	Link to LSF
Self Regulation: Development, Neuro-Cognition and Psychopathology	online	PSY73033.001	2	4	M. Kiefer	yes	Link to LSF
Seminar Trends in Applied Artificial Intelligence, Machine Learning and Deep Learning	online	ENGD 74794	2	4	V. Belagiannis	no	Link to LSF
Planning & Reasoning							
Interaction							
Neurotechnology: Brain-Machine-Interfacing	online	CS7904.000	2 + 2	6	D. Braun	no	Link to LSF
Psychology of Automation	online	PSY76549.001	3	6	M. Baumann	yes	Link to LSF
Methods, general Concepts & Tools							
Concepts of intelligence	online	CS5900.138	2	4	D. Braun	no	Link to LSF
Introduction to Artificial Intelligence	online	CS5080.001	2 + 2	6	S. Biundo	no	Link to LSF
Introduction to Human Neuroanatomy and Neurophysiology	online	MEDex29	2 + 2	6	L. Dimou, D. Yilmazer-Hanke	yes	Link to LSF
Preprocessing and Analysis of Neuroimaging Data	online	PSY74741.002	2 + 2	6	C. Herbert, C. Wiebking	no	Link to LSF
Research Colloquium: Recent Developments in Cognitive Neuroscience and Cognitive Psychology	online	MED80000.016	2	4	M. Kiefer	yes	Link to LSF
Thinking about Science (Colloq)	online	HSZ 3100.003	2	4	H. Eckle	no	Link to LSF
Topics in Cognitive Psychology (Colloq)	online	PSY00000.014	2	4	M. Ernst	yes	Link to LSF

Applied Subject

Course	planned implementation	Course-#	Hours	ECTS	Organizer	Course pre-registration?	Link to LSF
Perception							
Multisensory Perception for Action 1	by appointment	CS8756.000	4	8	M. Ernst	no	Link to LSF
Multisensory Perception for Action 2	by appointment	CS8757.000	4	8	M. Ernst	no	Link to LSF
Learning & Memory							
Project Learning Robots	online	CS8000.024	4	8	D. Braun with H. Hihn	no	Link to LSF
Projectseminar Deep Learning Architectures	online	CS8000.023	4	8	F. Schwenker	no	Link to LSF
Project Deep Learning for Autonomous Cars	online	ENGD 74795	4	8	V. Belagiannis	yes	Link to LSF
Planning & Reasoning							
Project Advanced Automated Reasoning	online	CS6400.009	4	8	Y. Kazakov	no	Link to LSF
Project Advanced Semantic Web	online	CS6400.005	4	8	B. Glimm	no	Link to LSF
Project Automated Reasoning	online	CS6400.006	4	8	Y. Kazakov	no	Link to LSF
Project Explainable Artificial Intelligence	online	CS6400.010	4	8	F. Lindner	no	Link to LSF
Project Semantic Web	online	CS6400.007	4	8	B. Glimm	no	Link to LSF
Interaction							
Project Dialogue Systems for Cognitive Systems	online	CS8410.007	4	8	W. Minker	no	Link to LSF
Investigations in Cognitive Ergonomics - Basics	online	CS8758.000	4	8	A. Huckauf	yes	Link to LSF
Investigations in Cognitive Ergonomics - Research Trends	online	CS8759.000	4	8	A. Huckauf	yes	Link to LSF
Project Brain-Machine-Interfacing	online	CS8000.022	4	8	D. Braun with S. Schach	no	Link to LSF
Project Driver-Vehicle Interaction	online	PSY73056.003	2	8	M. Baumann	yes	Link to LSF
Applied methods and concepts in Cognitive Systems							
Investigating Functions in Perception, Cognition and Motor Behavior	by appointment	CS8000.028	4	8	M. Ernst, D. Braun	no	Link to LSF