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lcn is the laboratory of computational neuroscience at the swiss federal institute of technology lausanne epfl the lcn is headed by professor wulfram gerstner and has research activities in the area of neural networks and computational neuroscience lcn is the laboratory of computational neuroscience at the swiss federal institute of technology lausanne epfl the lcn is headed by professor wulfram gerstner and has research activities in the area of neural networks and computational neuroscience wulfram gerstner is director of the laboratory of computational neuroscience lcn at the epfl he studied physics at the universities of tubingen and munich and received a phd from the technical university of munich homepage of the computational neuroscience book neuronal dynamics written by wulfram gerstner werner m kistler richard naud and liam paninski visit us for the free online book teaching materials online lectures and more theoretical neuroscience computational neuroscience there are two series of lectures a filmed in the classroom a series of lectures over 14 weeks this page here most lectures are also available in the mooc format see next point except the one on fokker planck equation for membrane potential distribution video lectures by wulfram gerstner 14 online lectures each about 90 minutes are organized in short videos of about 5 20 minutes each lectures are based on the textbook neuronal dynamcis cambridge univ press you can also enrol free of charge as auditor for computational neuroscience at epfl edx i foundations of neuronal dynamics analyze two dimensional models in the phase plane solve linear one dimensional differential equations develop a simplified model by separation of time scales analyze connected networks in the mean field limit predict outcome of dynamics prove stability and convergence describe neuronal phenomena stress individual differences and norepinephrine in reinforcement learning based prediction of mouse behavior in conditioning and spatial learning g luksys c sandi w gerstner dir lausanne epfl 2009 detailed record track a shipment for more detailed tracking please sign in to efl customer portal view our transportation and digital logistics products across air ocean trucking warehousing and more speak to one of our logistics professionals to find a solution that works for you and your business moving objects precisely with sound epfl researchers have succeeded in directing floating objects around an aquatic obstacle course using only soundwaves their novel optics inspired method holds great promise for biomedical applications such as noninvasive targeted drug delivery in 2018 arthur ashkin won the nobel prize in physics for what does epfl abbreviation stand for explore the list of 30 best epfl meaning forms based on popularity most common epfl abbreviation full forms updated in july 2021 publications in 2021 a modirshanechi j brea and w gerstner 2021 surprise a unified theory and experimental predictions biorxiv doi 10 1101 2021 11 01 466796 c gastaldi t schwalger e de falco e r q quiroga and w gerstner 2021 when shared concept cells support associations theory of overlapping memory engrams scientists at epfl have developed advanced atom thin graphene membranes with pyridinic nitrogen at pore edges showing unprecedented performance in co 2 capture it marks a significant stride toward more efficient carbon capture technologies as the world battles climate change the need for efficient and cost effective carbon capture yusen logistics less than container load lcl offers your business the flexibility needed to send shipments reliably and cost effectively wherever you need learn more about our ocean freight forwarding lcl service epfl virtual symposium loss landscape of neural networks theoretical insights and practical implications 15 16 february 2022 computational neuroscience seminars the offices of the laboratory of computational neuroscience are located on the 2nd floor of the ai building at epfl lausanne campus credit epfl professor andrea ablasser at epfl s school of life sciences is one of the two awardees of the 2024 cloëtta prize the professor dr max cloëtta foundation was set up in zürich in 1973 by dr antoine cloëtta to honour his father professor max cloëtta a swiss pharmacologist the foundation supports and promotes medical des chercheurs de l epfl ont imaginé une installation immersive pour favoriser la perception de la musique classique auprès du grand public praeludium offre une expérience sensorielle tout epfl physicists propose a novel way to create photoconductive circuits where the circuit is directly patterned onto a glass surface with femtosecond laser light it covers classical topics of computational neuroscience such as the hodgkin huxley models and integrate and fire models as well as modern state of the art approaches such as generalized linear models or biophysical multi compartment models

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**wulfram gerstner epfl** Mar 23 2024 wulfram gerstner is director of the laboratory of computational neuroscience lcn at the epfl he studied physics at the universities of tbingen and munich and received a phd from the technical university of munich

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