

Astra F

Intelligent Human Systems Integration (IHSI 2022): Integrating People and Intelligent Systems Le corps humain après la mort AVENUE21. Planning and Policy Considerations for an Age of Automated Mobility Management of post-tensioned bridges Drug Utilization Research Weiterbildung Notfallmedizin Die Intensivmedizin Tareq Ahram, Waldemar Karwowski, Pepetto Di Bucchianico, Redha Taiar, Luca Casarotto and Pietro Costa Nicolas Tschumy Mathias Mitteregger FIB – International Federation for Structural Concrete Monique Elseviers B. Dirks Gernot Marx

Intelligent Human Systems Integration (IHSI 2022): Integrating People and Intelligent Systems Le corps humain après la mort AVENUE21. Planning and Policy Considerations for an Age of Automated Mobility Management of post-tensioned bridges Drug Utilization Research Weiterbildung Notfallmedizin Die Intensivmedizin Tareq Ahram, Waldemar Karwowski, Pepetto Di Bucchianico, Redha Taiar, Luca Casarotto and Pietro Costa Nicolas Tschumy Mathias Mitteregger FIB – International Federation for Structural Concrete Monique Elseviers B. Dirks Gernot Marx

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le cadavre d'un être humain peine à entrer dans les catégories traditionnelles du droit son statut juridique pose de nombreuses questions le cadavre est-il un objet de droit si oui de quelle nature qui décide du sort d'un cadavre quels actes peuvent être pratiqués sur une dépouille et à quelles conditions pour répondre à ces questions cette étude analyse de manière transversale comment le droit suisse appréhende le corps d'un être humain après sa mort l'auteur étudie ainsi le statut du cadavre sous l'angle du droit civil mais également sa protection pénale et constitutionnelle il questionne les limites de la protection juridique du cadavre face à certains cas particuliers comme les enfants morts-nés les momies ou les squelettes cette thèse étudie également les normes spéciales qui réglementent certains actes sur un cadavre ces dispositions figurent principalement dans la loi sur la transplantation la lrh le cpp la loi sur les profils d'adn la lagh ainsi qu'au sein des lois cantonales en matière de santé publique et funéraire enfin l'auteur fait des propositions de lege ferenda susceptibles de clarifier le statut juridique du cadavre cet ouvrage apporte des réponses aux professionnels du droit mais également du domaine médical ou funéraire qui se trouvent confrontés à des questions juridiques relatives au sort d'un cadavre humain

the subject of this open access publication is the impact of connected and automated vehicles on the european city and the conditions under which this technology can make a positive contribution to urban development the authors put forward two theses that have received little attention in the scientific discourse so far connected and automated vehicles will not become fully established in all sub areas of the city for a long time as a result previously assumed effects from traffic

safety to traffic performance as well as spatial effects will have to be reevaluated to ensure a positive contribution of this technology to the mobility of the future transport and settlement policy regulations must be further developed established territorial institutional and organizational boundaries need to be challenged in a timely manner despite or because of the existing great uncertainties we are at the beginning of a phase of yet shaping the possible future in technology development but also in politics urban planning administration and civil society description of the chapters 1 connected and automated driving the long level 4 mathias mitteregger reflects on the road ahead for automated driving what pathways of technological development induce which kind of spatial effects and planning needs 2 connected and automated driving consideration of the local spatial context and spatial differentiation emilia m bruck and aggelos soteropoulos reflect on the importance of the local context when classifying and estimating the effects of different forms of automated mobility 3 connected and automated driving in the context of a sustainable transport and mobility transformation andrea stickler jens s dangschat and ian banerjee integrate possible potentials of automated mobility in the context of a transformed sustainable transport system part i mobility and transport 4 self driving turnaround or automotive continuity reflections on technology innovation and social change katharina manderscheid reflects on how differing visions of an automated future can be understood with regard to divergent interests in technological development 5 automated drivability and streetscape compatibility in the urban rural continuum using the example of greater vienna aggelos soteropoulos analyses how different street spaces align with technological requirements of automated mobility creating a suitability framework for road spaces in the greater vienna region 6 automation public transport and mobility as a service experience from tests with automated shuttle buses the authors show what types of automated public transport might be used in the future and what can be learned from testing automated shuttle buses in the past 7 delivery robots as a solution for the last mile in the city bert leerkamp aggelos soteropoulos and martin berger describe how automated delivery robots could be contextualized in terms of solving last mile problems and discuss what implications might lie ahead for urban planning part ii public space 8 control and design of spatial mobility interfaces the authors identify the possible implications of automated mobility for mobility interfaces and explore how public spaces could be transformed 9 transformations of european public spaces with avs robert martin emilia m bruck and aggelos soteropoulos use the example of copenhagen to show how public spaces could be transformed in an age of automated urban mobility and benefit from lower car dependency 10 at the end of the road total safety mathias mitteregger discusses how the desire for road safety affects public spaces and how automated mobility influences this discourse 11 integration of cycling into future urban transport structures with connected and automated vehicles looking at the future of mobility lutz eichholz and detlef kurth show that the bike actually offers solutions to many of our current problems and that planning should not forget to integrate cycling into future urban transport structures and systems 12 against the driverless city steven fleming argues for a radical shift in cities towards a highly improved cycling infrastructure eradicating the need for automated mobility part iii spatial development 13 strategic spatial planning smart shrinking and the deployment of cavs in rural japan ian banerjee and tomoyuki furutani show where automated mobility could help tackle pressing issues in rural japan 14 integrated strategic planning approaches to automated transport in the context of the mobility transformation the authors show how new forms of automated mobility could be integrated into mobility systems in diverse spatial structures in the city region of vienna with the overriding goal of the mobility transformation 15 opportunities from past mistakes land potential en route to an automated mobility system looking at the mistakes made in building a car centric environment in the past mathias mitteregger and aggelos soteropoulos identify future areas of urban transformation as a result of a lower demand for car centric infrastructures and businesses part iv governance 16 new governance concepts for digitalization challenges and potentials alexander hamedinger contextualizes the manifold paths towards an automated future with regard to governance and describes how governance concepts might need to adapt in the future 17 how are automated vehicles

driving spatial development in switzerland fabienne perret and christof abegg show how automated vehicles are influencing spatial development in switzerland focusing on three different scenarios on the road ahead 18 lessons from local transport transition projects for connected and automated transport andrea stickler looks at local projects aiming at a transformation of mobility practices and reflects on implications for automated transport 19 connected and automated transport in the socio technical transition jens s dangschat looks at societal transformations in the past and contextualizes automated mobility in terms of a possible socio technical transition ahead 20 data driven urbanism digital platforms and the planning of maas in times of deep uncertainty what does it mean for cavs ian banerjee peraphan jittrapirom and jens s dangschat show how continuous digitalization in cities might affect possible uses and implementations of cavs and their accompanying systems

one of the big issues worrying the entire modern world is the increasing number of bridges in a bad or disrepair condition which is arising the questions about the safety and reliability of our infrastructure in the upcoming years within the entire stock of bridges the post tensioned concrete bridges are a specific group which require special attention during their first but at the same time numerous applications in the post war period the post tensioning technology was only in a developing stage deficiencies of the technology of prestressing and grouting led to shortened service life of these bridges and in some cases even to their sudden collapses nowadays many post tensioned bridges built in the 1950s 1960s and 1970s are reaching the end of their service life that is reflected in their reduced load bearing capacity and necessity of adequate measures to be taken for their further safe operation massive reconstruction or complete rebuilding is unavoidable in many cases special problems also arise during inspection of post tensioned bridges if the tendons are not grouted the corrosion occurring even at a small location along the tendon leads to a loss of prestressing force on the entire un grouted section corrosion of un grouted tendon is often invisible at first glance the reason is that there is enough space for corrosion products in the duct and thus the concrete cover layer being the most unmissable indicator of steel corrosion does not fall off another reason is the fact that the decrease in the prestressing force is not followed by significant deformations of the structure even in advanced stages for example in the case of segmental precast girder bridges which had some pre camber at the time of assembly small deflections will mean only the loss of the camber and the girders would seem to be straight even after significant loss of prestressing force cracks that indicate a serious problem of deteriorating prestressing tendons are often just of hairline width and visible only from a close distance from all these points of view mentioned above it is clear that an extra attention should be paid to the post tensioned bridges and especially to the segmental structures during their inspection diagnostics and reconstruction this bulletin is expected to cover the current practices risk assessments inspections investigations and interventions in managing new and existing post tensioned bridges to address their durability issues if a problem is detected at an earlier stage repairs can be made to maintain the intended service life of the structure figuratively speaking knowing your specific patients based on their predisposition to their most common serious diseases the possibilities and limits of their diagnosis and treatment is a basic prerequisite for being good bridge doctors this bulletin should serve to bridge managers designers and contractors as an overview of the current state of the art in the field of post tensioned concrete bridge management to serve as a guide when dealing with this type of deteriorated bridges

towards a better understanding of how medicines are used in society drug utilization research dur is a discipline which combines aspects of pharmacotherapy epidemiology and health services research into an interdisciplinary set of methods for analyzing and assessing the prescribing dispensing and consumption of medicines it combines both qualitative and quantitative approaches to facilitate the safe and effective use of pharmaceuticals drug utilization research methods and applications provides a comprehensive introduction to this discipline prepared by an international team of authors with broad experience in numerous fields now

reorganized and updated to reflect the latest research and global challenges it is an indispensable resource for understanding the use of pharmaceuticals readers of the second edition of drug utilization research will find new chapters on methods including more hands on guidance on how to plan and conduct different types of drug utilization a section on specific applications in areas such as psychotropics opioids cancer drugs antibacterials and cardiovascular drugs a new section with case studies illustrating applications of dur in different continents detailed treatment of subjects including dur and health policy dur in specific populations and many more drug utilization research is ideal for epidemiologists pharmacists physicians nurses and others interested in drug use and its outcomes

in diesem buch finden angehende oder bereits tätige notfallmediziner sowie mitarbeiter von rettungsdienstorganisationen aktuelles und praxisrelevantes fachwissen rund um die notfallmedizin die beiträge des werkes entsprechen den cme beiträgen aus der springer fachzeitschrift notfall rettungsmedizin von heft 05 2013 heft 08 2014 alle beiträge orientieren sich an den weiterbildungsinhalten der zusatz weiterbildung notfallmedizin wurden von experten verfasst sind didaktisch hervorragend aufbereitet und spiegeln die neuerungen aktuellen themen oder trends des faches wider sie eignen sich optimal zur wissensauffrischung oder zur vorbereitung auf die prüfung der zusatz weiterbildung notfallmedizin der inhalt psychopharmaka im notarztendienst psychopharmakotherapie im notarztendienst stellenwert der lyse im rettungswesen strom und blitzunfall erkennen und behandeln des status epilepticus akute hepatitis leberversagen akut dekompensierte leberzirrhose notfallmedizinisches management das verletzte kind diagnostisches vorgehen im schockraum versorgung verletzter schwangerer patientinnen gehörlose patienten in der notfallmedizin symptome diagnostik und therapie von schlangenbissen pragmatischer und effektiver umgang mit akuten rüchenschmerzproblemen sepsis in der notfallmedizin erkennen und initiale therapie

der klassiker der intensivmedizin in 12 auflage als intensivmediziner benötigt man heutzutage ein breites wissen verschiedener fachdisziplinen im großen standardwerk für die intensivmedizin haben ein hochkarätiges und interdisziplinäres herausgeber und autorenteam alle themen der modernen interdisziplinären intensivmedizin zusammengetragen diagnostik und therapie nicht invasive monitoringverfahren kapitel zu allen relevanten krankheitsbildern und notfällen eigene abschnitte zu speziellen disziplinen kardiologie chirurgie gastroenterologie sowie ethische psychosoziale und pflegerische aspekte helfen bei täglichen fragen und schwierigen entscheidungen die 12 auflage erscheint komplett aktualisiert und um neue themen erweitert wie extrakorporale organunterstützung vad systeme heimbeatmung und überleitung in dieheimbeatmung prophylaxen in der intensivmedizin ileus und toxisches megakolon mesenteriale ischämie nekrotisierende weichteilinfektionen akute porphyrie patient blood management patientendatenbanksysteme pdms telemedizin das vorliegende werk bietet höchsten standard für die ärztliche weiterbildung und ist gleichzeitig ein wertvolles nachschlagewerk im klinischen alltag für Ärzte auf intensivstationen aller fachgebiete

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