

# Toulouse

Negotiation & Economics Control and accountability in highly automated systems Literature review of methods for representing uncertainty Risk attitude & Economics Possibilistic methods for uncertainty treatment Improving the effectiveness of group decision-making A field study of group decision-making in health care Uncertainty propagation and importance measure assessment Uncertainty characterization in risk analysis for decision-making practice Overview of risk-informed decision-making processes Boletín geológico y minero Prendre la plume des Lumières au romantisme La Barbarie journalistique La communication des sciences Histoire de Toulouse. [With Plates, Including Maps.]. Discovering Toulouse Discovering Toulouse Toulouse today Toulouse d'hier et d'aujourd'hui Towards an Understanding of Toulouse-Lautrec Laura Concina Eric Marsden Enrico Zio Laura Concina Enrico Zio Juliane Marold Juliane Marold Enrico Zio Enrico Zio Enrico Zio Matthieu Magne Antoine Perraud CHAMBRU MIKAEL Philippe WOLFF (of the University of Toulouse.) Daniel Cazes Quitterie Cazes Collectif, Fernand Cousteaux Edouard Julien

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since technological risk issues imply stakeholders with different preferences and objectives they are largely submitted to negotiation bargaining is ubiquitous and this regard aims to give an overview of the bargaining process from an economic point of view in an extent its scope is to focus on what we can grasp from theory in order to understand better how negotiation can evolve

network s 2011 workshop concerned control and accountability in highly automated systems the workshop was organized by gudela grote eth zürich and johannes weyer tu dortmund and primarily funded by the foundation for an industrial safety culture foncsi it brought together academic participants from multiple scientific disciplines and practitioners in several fields it is the rich discussion between these participants which gave rise to the present document this document is a summary of the main issues discussed during the course of the workshop focusing in particular on questions related to accountability it aims to provide an overview of the questions most relevant to decision makers and other interested parties together with pointers to relevant academic literature

this document provides a critical review of different frameworks for uncertainty analysis in a risk analysis context classical probabilistic analysis imprecise probability interval analysis probability bound analysis evidence theory and possibility theory the driver of the critical analysis is the decision making process and the need to feed it with representative information derived from the risk assessment to robustly support the decision technical details of the different frameworks are exposed only to the extent necessary to analyze and judge how these contribute to the communication of risk and the representation of the associated uncertainties to decision makers in the typical settings of high consequence risk analysis of complex systems with limited knowledge on their behaviour

this document is an introduction for non economists to standard and behavioral economic theories of risk and uncertainty it

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describes some broadly accepted results in economics that are determinant in decision making under risk or uncertainty and in situations where we have to deal with losses and gains to illustrate this point the document presents a selection of theoretical results punctuated with examples taken from everyday life and research studies in economics and psychology on the perception of risk

the authors propose a method for assessing the performance of a maintenance policy whilst accounting for uncertainty in various parameters of the degradation model the method is appropriate for the representation and propagation of epistemic uncertainty which is elicited from an expert who can provide a family of confidence intervals for each uncertain parameter information elicited from the expert is described using possibility distributions and propagated through the degradation model using fuzzy random variables and the dempster shafer theory of evidence in classical approaches to uncertainty propagation based on probability theory probability distributions are used to represent information obtained from experts however expert judgment is often expressed using imprecise linguistic statements and the imposition of specific probability distributions over constrains this uncertain information in a arbitrary and unjustified manner possibility theory allows the epistemic uncertainty arising from expert opinion to be represented in an arguably more rigorous manner without introducing additional bias a practical case study concerning the maintenance of a check valve of a turbo pump lubricating system in a nuclear power plant illustrates the method a rupture failure model caused by fatigue is modeled and a condition based maintenance policy is applied to the component over a fixed time horizon the performance of the maintenance policy is assessed in terms of cost and component unavailability

the authors have undertaken a field study of daily decision making processes in groups under uncertainty in the health care domain the work follows the tradition of naturalistic decision making ndm research it aims to understand how groups in this high reliability context conceptualize and internalize uncertainties and how they handle them in order to achieve effective decision making in their everyday activities in close cooperation with a teaching hospital in austria the authors have developed and tested a training course on group decision making in the field of anesthesia and intensive care the training course was intended to help participants improve their performance in group decision making training was focused on acquiring the

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knowledge and experience successfully to make such decisions this report documents the last phases of the research project decision making in groups under uncertainty in which the authors propose an improvement to group decision making procedures in the form of a training course it describes the development of the training course its implementation results obtained and improvements made based on feedback from practitioners

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the authors investigate the effects that different representations of epistemic uncertainty have on practical risk assessment problems two different application problems are considered 1 the estimation of component importance measures in the presence of epistemic uncertainties 2 the propagation of uncertainties through a risk flooding model the focus is on the epistemic uncertainty affecting the parameters of the models that describe the components failures due to incomplete knowledge of their

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values this epistemic uncertainty is represented using probability distributions when sufficient data is available for statistical analysis and by possibility distributions when the information available to define the parameters values comes from experts in the form of imprecise quantitative statements or judgments three case studies of increasing complexity are presented a pedagogical example of importance measure assessment on a three component system from the literature assessment of importance measures for the auxiliary feed water system of a nuclear pressurized water reactor an application in environmental modelling with an analysis of uncertainty propagation in a hydraulic model for the risk based design of a flood protection dike

this document provides an overview of sources of uncertainty in probabilistic risk analysis for each phase of the risk analysis process system modeling hazard identification estimation of the probability and consequences of accident sequences risk evaluation the authors describe and classify the types of uncertainty that can arise the document provides a description of the risk assessment process as used in hazardous industries such as nuclear power and offshore oil and gas extraction a classification of sources of uncertainty both epistemic and aleatory and a description of techniques for uncertainty representation a description of the different steps involved in a probabilistic risk assessment pra or quantitative risk assessment qra and an analysis of the types of uncertainty that can affect each of these steps annexes giving an overview of a number of tools used during probabilistic risk assessment including the hazid technique fault trees and event tree analysis

the authors introduce the general concepts definitions and issues related to the use of risk informed decision making ridm these are structured processes which assist decision makers when faced with high impact complex decisions involving multiple objectives and the presence of uncertainty they aim to ensure that decisions between competing alternatives are taken with an awareness of the risks associated with each option and that all attributes of a decision are considered in an integrated manner motivations for the use of these techniques as a complement to more traditional deterministic approaches to risk assessment are provided the ridm processes adopted by nasa and by the us nuclear regulatory commission are described in detail with an analysis of commonalities and differences in approach

des salons des lumières aux cénacles romantiques nombreux sont les auteurs à avoir exprimé leur rapport à la plume à la fin du

long xviii<sup>e</sup> siècle acte social ou expression du for privé les pratiques de l'écrit éclairent une période charnière de l'histoire du manuscrit du livre et de l'édition quelles furent les valeurs apportées au geste de prendre la plume dans les sociétés européennes et en quoi la gamme des écritures nous informe-t-elle sur les transformations de l'époque moderne l'analyse de sources en grande partie inédites a rassemblé une équipe pluridisciplinaire soucieuse de faire apparaître les aspects matériels et culturels d'une activité confrontant l'individu aux traces qu'il laissait sur le papier les approches méthodologiques sont ainsi centrées sur la définition par l'écriture du rapport à soi et à l'autre à un métier ou à un milieu social dans l'Europe des révolutions page 4 of cover

Outreau affaire allègre rer d certains des emballements médiaticojudiciaires de ces dernières années ont été d'effroyables ratages À chaque fois le journalisme cède à une tentation qui le fait chuter pourquoi celui-ci en est-il arrivé à dénoncer sans vérifier se posant en justicier alors qu'il n'était que puissant accusateur comment s'est-il transformé en machine à fabriquer des bavures de tels fiascos laissent un sentiment fait d'incrédulité d'incompréhension et d'effroi À l'exception de la commission parlementaire qui tenta de comprendre la catastrophe sans précédent d'Outreau très peu a été entrepris ces dernières années pour penser de telles fautes pour cerner leur même logique perverse à l'oeuvre pour percer leurs mécanismes concrets À Toulouse par exemple l'affaire allègre a bouleversé la vie de quelques innocents livrés en pâture puis la fureur dénonciatrice a laissé place au silence gêné or même s'il est aujourd'hui permis de parler à son sujet de manipulation peu d'occasions se sont présentées jusqu'à présent d'apprendre les tenants et les aboutissants de cette ténébreuse cabale ce livre vient combler ce vide en analysant trois moments où la presse s'est substituée à la justice pour imposer son credo et son tempo Antoine Perraud qui ne se résigne pas à cette situation mais n'hésite pas à stigmatiser cette barbarie journalistique décortique l'art et la manière de faire un malheur en toute impunité

la science ne se limite pas aux laboratoires elle est pourtant souvent perçue comme appartenant à un univers complexe et inaccessible pour la rendre intelligible vivante et partagée de nombreuses pratiques communication scientifique vulgarisation médiation engagement citoyen sciences participatives mobilisent une grande diversité d'acteurs de médias et de financements les enjeux et les effets de ces dispositifs dépassent largement aujourd'hui la seule sphère académique cet ouvrage collectif propose un

panorama rigoureux et actuel des recherches en sciences de l'information et de la communication sur ces questions il explore les formes les objectifs et les tensions qui traversent la diffusion des savoirs scientifiques entre exigences de clarté et contraintes institutionnelles entre ambitions politiques symboliques ou économiques un éclairage essentiel pour comprendre les multiples facettes de la mise en culture des sciences aujourd'hui avec les contributions de François Allard Huver Julia Bonaccorsi Marie Christine Bordeaux Vincent Carlino Philippe Chavot Gabriel Gallezot Guylaine Guéraud Pinet Daniel Jacobi Camille Jutant Mélanie Le Forestier Anne Masseran Grégoire Molinatti et Anne Piponnier

120 photos and a text that focuses on the essentials for anybody wanting to find out more about Toulouse its history its districts its churches and its ambiance Toulouse has always been the gateway to southern France and its geographical position climate and culture take visitors into a world that is decidedly Mediterranean if you step beyond the image of Toulouse as the pink city you'll find it is Palladian in its love of the arts holy with its dozens of churches and a major commercial and agricultural centre from St Sernin's to the Dominican monastery from Les Augustins museum and art gallery to St Stephen's cathedral from the central square flanked by the Capitole to La Grave hospice and from the Assézat mansion to the Fermat high school brick has reigned supreme in Toulouse for more than two thousand years as is obvious from its historic monuments

version anglaise de Toulouse aujourd'hui

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