2019 年度大和証券未来先導チェアシップ講座

Keio University Business School

Grand Design Project I

Technological Innovations in Global Perspectives and Education Program

Forum 3

Natural Disaster and Crisis Management

February 23 (Sunday)

13:00-18:00

Part 1　Lectures 13:00-16:30

Daniel Aldrich（Professor, Northeastern University）

"Black Wave: How Networks and Governance Shaped Japan's 3/11 Disasters"

Ana Maria Cruznaranjo (Professor, Kyoto University)

"When natural and technological disasters collide: Lessons from past disasters point to the need for a paradigm shift."

増田　聡（東北大学教授）「震災復興のモニタリングと政策評価（仮）」

Part 2 Lecture and Discussion　16:40-18:00

Professor Tomofumi Anegawa

"Review of Grand Design Program on 3.11 and Disaster Prevention"

<Networking > 18:00-

<Places> Class Room1-2, 4-th floor of the KBS, Collaboration Complex, Hiyoshi, Kohoku, Yokohama-city, Kanagawa, Japan

<Language> English/Japanese

Speakers

Professor Danile P.Aldrich is director of the Security and Resilience Studies Program and Professor of political science and pblic policy at Northeastern University. He is the author of Building Resilience, and Black Wave. Daniel P. Aldrich received his Ph.D. and M.A. in political science from Harvard University, an M.A. from the University of California at Berkeley, and his B.A. from the University of North Carolina at Chapel Hill. His research has been funded by grants from the Abe Foundation, IIE Fulbright Foundation, the National Science Foundation, the Reischauer Institute at Harvard University, the Weatherhead Center for International Affairs, and Harvard's Center for European Studies. He has been a visiting scholar at the Japanese Ministry of Finance, the Institute for Social Science at Tokyo University, Harvard University, the Tata Institute for Social Science in Mumbai, the Institut d'etudes politiques de Paris (Sciences Po), and the East West Center in Honolulu, Hawaii. He has spent more than four years conducting fieldwork in Japan, India and France.　Aldrich is a board member of the journals Asian Politics and Policy and Risk Hazards and Crisis in Public Policy and a Mansfield U.S. Japan Network for the Future Alumnus. He is the section organizer for the American Political Science Association's Disasters and Crises Related Group and member of the National Biodefense Science Board and the Institute of Medicine / National Academies working group on disaster recovery.

His research interests include post-disaster recovery, the siting of controversial facilities, the interaction between civil society and the state, and the socialization of women and men through experience. His work has been discussed in New York Times, CNN , the State Department's Media Hub, the National Bureau of Asian Research, WBEZ's WorldView, National Public Radio, The New Republic, MSNBC's Last Word, National Public Radio, NPR Radio programs, the New York Times (and again in the NYT) , The Oriental Economist, Bloomberg News, Voice of America, The Kudlow Report, Security Management, Reuters, Nikkei Business, ESPN, the Monkey Cage, WSBT News Radio, Marginal Revolution, German newspapers, French NGO blogs, Slate, The Daily Beast, Reflexiones Finales, Her Campus, Sara Schonhardt's blog, Philippine Daily Inquirer, and numerous regional media outlets. On May 2011 the Purdue Exponent

named him among the “Top 5 Professors who have influenced international and national events.” In July 2012 his New York Times Op-Ed on disaster recovery was named as one of the five best columns in the Atlantic Wire.

Cruznaranjo, Anamaria クルスナランホ アナマリア
防災研究所／防災研究所附属巨大災害研究センター／教授
M.S. Tulane University, Ph.D. Tulane Universityz
使用言語 English, Spanish, working knowledge of French
working knowledge of Italian, basic Japanese

My expertise concerns industrial risk management and emergency planning for conjoint natural and technological (Natech) disasters. Research activities include risk analysis of flooding, storm, earthquake, tsunami and climate change – induced impacts on infrastructure systems, Natech accident investigation and consequence analysis, and disaster risk management. As for education, I believe that theoretical knowledge should be combined with real-world experiences and practical research activities that are relevant to current and future problems facing society, and to promote responsible citizenship and ethical practices.

When natural and technological disasters collide, chemical accidents may occur causing additional damage and losses to affected communities. These natural-hazard triggered chemical accidents are known as Natechs. These types of complex events were studied for the first time at the end of the 1970s, and in recent years have gained importance due to their increasing trend.

However, despite the growing interest and increasing awareness, there is still a low level of preparedness for Natech events and there are limited contributions regarding industry’s resilience to Natech hazards. Addressing Natech risk effectively requires a paradigm shift in the scope of analysis of these hazards beyond industrial facilities’ fence-lines from both a proactive and reactive perspective, and considering area-wide implications. In this presentation, Natechs, their characteristics and risk management are first introduced. Several examples of past Natech accidents are presented and analyzed from the point of view of resilience engineering (RE) as it is applied to the process industries (industrial installations, such as the oil, petrochemical and chemical industries, that produce, handle and use large volumes of hazardous materials). The presentation then proposes a comprehensive framework for Natech resilient industries that contemplates the interaction in a territory between the technical and organizational systems, risk governance, risk communication, and stakeholder participation.

My research has focused on reducing the risk from conjoint natural and technological disasters, known as Natechs, in urban areas. Over the last 14 years, my research has included the analysis of natural hazard – induced impacts on infrastructure systems and lifelines, particularly in the oil and gas industry. I have investigated Natech accidents and their consequences; assessed community preparedness and identified gaps in Natech risk governance. Natech research is particular in that it requires an interdisciplinary approach to solve problems. This makes its analysis complex within the scientific community and helps explain the lack of expertise and guidance to help manufacturers and authorities in their policy of prevention of and protection from this risk.

増田　聡　（ますだ･さとる）教授
略歴
1959 年生まれ
1982 年 3 月東京大学工学部都市工学科卒
1987 年 3 月東京大学大学院工学系研究科都市工学専攻博士課程修了
学位 工学博士(東京大学)

現職
東北大学大学院経済学研究科教授　地域計画担当
研究分野 都市･地域計画
研究課題 防災型土地利用計画の策定過程とリスク･コミュニケーション,
都市･地域計画思想の変遷とその実践, 空間分析による地域政策評価

姉川　知史　（あねがわ　ともふみ）教授
慶應義塾大学大学院経営管理研究科

<使用言語>　英語・日本語
場所　慶應義塾大学日吉，協生館 4F　中教室 1－2
地図：http://www.keio.ac.jp/ja/access/hiyoshi.html
実施主体　慶應義塾大学大学院経営管理研究科「ビジネス・教育研究開発室」
ならびに「グランド・デザイン策定の融合型教育プログラム」
keio.grand.design@gmail.com
企画・監修　姉川知史　慶應義塾大学大学院経営管理研究科教授
参加料金　無料公開，事前申し込みをお願いします。

動画配信　動画配信を行います。http://www.ustream.tv/channel/keio-grand-design(同時配信）過去のフォーラムの動画配信は下記のとおり
https://www.youtube.com/user/KeioGrandDesign（事後配信）
案内記録　https://sites.google.com/site/keiogranddesign/

申込方法
方法 1　末尾の内容を keio.grand.design@gmail.com あるいは 045-562-3502 (Fax) にお送りください。同じものは
http://anegawa.kbs.keio.ac.jp/Grand_Design_Project/
http://anegawa.kbs.keio.ac.jp/Grand_Design_Project/index.html からもダウンロードできます。
方法 2　メールフォーム
http://anegawa.kbs.keio.ac.jp/Grand_Design_Project/infoforum.html
方法 3　下記に氏名その他を御登録いただければ今回の参加申し込みができ，さらに，今後の企画案内送付を差し上げます。
https://anegawa.kbs.keio.ac.jp/Grand_Design_Project/application/
＜本プログラムは，慶應義塾の半学半教の精神に基づいて，専門横断的，世代縦断的な少人数融合型の社会人教育により，日本発の世界のグランド・デザインの策定，実現をめざし，将来世代の教育を実施中です。学生，社会人，その他の多様な背景の方々のご参加をお待ちします。事前登録申請をお願いします。また，今後，取り上げたい企画，御助言などがあれば，担当者の姉川知史まで御連絡ください。＞

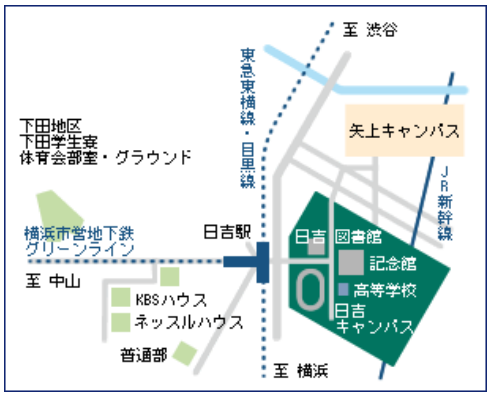
Place: Keio University, Graduate School of Business Administration(Kyoseikan, 4F No1-2 Class Room), 4-1-1 Hiyoshi Kohoku, Yokohama, Kanagawa
Registration Information: keio.grand.design@gmail.com
Course Information
http://www.dff.keio.ac.jp/activity/chairship/2019/index.html
Detailed Information (This Brochure)
http://anegawa.kbs.keio.ac.jp/Grand_Design_Project/doc/Grand_Design_by_Japan_20191124.pdf
Grand Design by Japan (in General)
http://anegawa.kbs.keio.ac.jp/Grand_Design_Project/

＜今後の予定＞
3 月 7 日土曜日，13：00-18：00　フォーラム第 4 回
Corporate Social Responsibility and Global Health of Emerging Markets - India and Japan Model

3 月 14 日土曜日，13：00-18：00　フォーラム第 5 回
<最終フォーラム>
Part 1　Technology Innovations in Global Perspectives
招待講演者多数（企画中，講師推薦のある方はご連絡ください）
Part 2
姉川知史（慶應義塾大学教授）「最終授業: マネジメント教育の可能性と限界―KBS の 35 年とグランド・デザイン・プログラムの 10 年」

協生館（慶應義塾大学日吉キャンパス内）のご案内

〒223-8526　横浜市港北区日吉 4-1-1　慶應義塾大学日吉キャンパス内　協生館 4F 階段教室 4 番
＜交通アクセス＞
東急東横線、東急目黒線、横浜市営地下鉄グリーンライン
日吉駅下車徒歩 1 分　　※東急東横線の特急は日吉駅に停まりません。
渋谷～日吉：25 分（急行約 20 分）
横浜～日吉：20 分（急行約 15 分）
新横浜～菊名～日吉：20 分



「23 番」が「協生館」です。

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Application

Registration before February 22, 2020
Fax.045-562-3502 or keio.grand.design@gmail.com

Application Form for Grand Design by Japan

Both Japanese and English information is required if available.

Name (氏名) _____

Name of School, Department (if available) (学校名・所属学部/研究科名)

_____

Year (学年) Undergraduate /Master /Ph.D.

Name of Affiliation, Position (if available) (勤務先・役職) _____

_____

Address (住所) 〒 _____

_____

Contact (連絡先) Tel.: Fax.: E-mail: _____

上記申込者は，フォーラム参加にあたって，本プログラム別紙『フォーラム・シンポジウムおよび講演・授業・セミナー等の記録について承諾書』の個人情報保護，撮影，記録，配信等の覚書が適用されます。

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