

Dr. Soren Tang Sorensen

Associate Director



Contact

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Dr. Soren Tang Sorensen is a London-based Associate Director at NERA with more than 15 years of experience advising clients on auction design and bidding strategy in auctions. He has extensive experience with spectrum auctions, having advised clients on spectrum auctions in more than 40 countries in Europe, Asia, the Middle East, and North America. Dr. Sorensen helps his clients with auction design and implementation and provides advice on bidding strategies for mobile network operators. He frequently provides on-site strategy support during live auctions, and he has experience with all common auction formats for spectrum auctions, including Combinatorial Clock Auction (CCA), Combinatorial Multiple Round Auction (CMRA), Simultaneous Multiple Round Auction (SMRA), Clock Auction (CA), First/Second Price Sealed Bid Auction (FPSB/SPSB), and various hybrid auction formats.

Dr. Sorensen has developed software for complex optimisation problems. He has developed integer programming algorithms that have been adapted to winner and price determination problems for more than 20 combinatorial auctions; he has implemented satisfiability algorithms to analyse the spectrum re-packaging problem in the Federal Communication Commission's (FCC) Incentive Auction; and he has implemented graph and network algorithms for optimising fixed line telecommunications networks using GIS data.

In addition to his work on spectrum auctions, Dr. Sorensen has advised clients on auction design and bidding strategies in diverse markets, including natural gas (gas and gas storage capacity); electricity (capacity markets, procurement, interconnector capacity); renewable energy (off-shore wind sites, contract for difference contracts); water abstraction rights; airport slots; TV broadcasting licences; rough diamonds; industrial procurement; and horse racing courses.

Dr. Sorensen holds a PhD in economics from the University of Aarhus, Denmark, where he specialised in microeconomics, game theory, and auction design. He published part of his PhD thesis in *Economics Letters* and has co-authored a chapter on CCA for the *Handbook of Spectrum Auctions*, published by Cambridge University Press. He is also a frequent speaker at industry conferences on spectrum policy.

Education

PhD in economics, University of Aarhus, Denmark

Cand.Oecon, University of Aarhus, Denmark

MSc in economics, University of Southampton, England

BA in economics, University of Aarhus, Denmark

Publications

- *Strategic Bidding in Combinatorial Clock Auctions – A Bidder Perspective*
- *NERA Report on Strategic Bidding in Combinatorial Clock Auctions*
- *Sequential Auctions for Stochastically Equivalent Complementary Objects*
- *The Google IPO Auction: Bidding Strategies for Institutional Investors*
- *Study to Assess the Effects of Different Slot Allocation Schemes*
- *Comments on the Presentation of Mason Communications to the BFWA Consultative Group on 11 November 2003*
- *Optimal Sequential Auctions for Complements*

Practice Areas

Auctions

Communications, Media, and Internet

Radio Spectrum

Languages

English, Danish

About NERA

NERA Economic Consulting (www.nera.com) is a global firm of experts dedicated to applying economic, finance, and quantitative principles to complex business and legal challenges. For over half a century, NERA's economists have been creating strategies, studies, reports, expert testimony, and policy recommendations for government authorities and the world's leading law firms and corporations. With its main office in New York City, NERA serves clients from more than 25 offices across North America, Europe, and Asia Pacific.