

## **Industry lecture**

### **Industry lecture 2009**

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Tittel på foredrag:

**"Biorefinery and chemistry - possibilities and challenges in replacing petrochemicals with sustainable products from biomass"**

#### **Abstract**

Borregaard is claimed to be the worlds most advanced biorefinery in operation. On this basis, Borregaard is running substantial new development programmes to convert biomass into chemicals, materials, proteins, fuel and energy in close cooperation with leading chemical companies in Europe and Americas. Rødsrud will present which chemical routes are mainly in focus in this industry today, and go into depth in some of the conversion routes Borregaard focus on. These developing technologies will combine a wide range of chemistry and Rødsrud will touch upon topics as wide as plant physiology, chemistry of natural substances, catalysis, enzymes, microbiology, fermentation, polymer science, surface chemistry, fuel technology, chemical engineering and international funding of research.