

WEDNESDAY JANUARY 26

9:00 - 10:00	REGISTRATION & COFFEE [VOLVOFOAJÉN, RUNAN]	
	At Chalmers Campus Johanneberg, Chalmersplatsen 1.	
10:00 - 12:00	BIOMASS & CCS – INTRODUCTION & SETTING THE SCENE [RUNAN]	
	Introduction and welcome <i>Anne-Marie Hermansson, Vice President Chalmers</i>	
	The Chalmers Energy Conference <i>Filip Johnsson, Conference Chair</i>	
	Chalmers Energy Area of Advance <i>Thore Berntsson, Director Chalmers Energy Area of Advance</i>	
	EU climate policy: does it matter? <i>Branko Bosnjakovic, Former Regional Adviser for Environment of the UN Economic Commission for Europe, Switzerland</i>	
	CCS & Biomass – a global perspective <i>Marc Londo, ECN, the Netherlands</i>	
	CCS & Biomass – role in Europe <i>Filip Johnsson, Chalmers</i>	
12:00 - 13:30	LUNCH	
13:30 - 15:00	BIOMASS [RunAn]	CCS [Palmstedtsalen]
	Biomass Gasification	Carbon Capture and Storage
	The industrial challenges of realizing the potential of biomass gasification in Sweden – an innovation system perspective <i>Hans Hellsmark, Chalmers</i>	Capture: Chemical looping for CO2 capture – a state of the art in the development <i>Anders Lyngfelt, Chalmers</i>
	Gasification research connected to the GoBiGas-project – technical challenges and results from the operation of the pilot unit so far <i>Henrik Thunman, Chalmers</i>	Capture: Oxyfuel – state of the art in development <i>Filip Johnsson, Chalmers</i>
	Optimising the efficiency of processes for the production of Bio-SNG Process integration's role in achieving high efficiency production of Bio-SNG. <i>Stefan Heyne, Chalmers</i>	CCS in the oil refining industry – system solutions and assessment of capture potentials <i>Daniella Johansson, Chalmers</i>
15:00 - 15:20	COFFEE	
15:20 - 18:00	BIOMASS [RunAn]	CCS [Palmstedtsalen]
	Biorefineries – Extending the product portfolio of future pulp mills	Carbon Capture and Storage
	Pulp mills in transition – from net consumers to producers of energy products and services <i>Peter Axegård, Innventia</i>	Post combustion capture <i>Henrik Jilvero, Chalmers</i>
	"Lignin – a premium pulp mill product of the future?" <i>Hans Theliander, Chalmers</i>	Flue gas cleaning from oxyfuel combustion <i>Fredrik Normann, Chalmers</i>
	Process integration to facilitate lignin separation: Technoeconomic evaluation and comparison with increased electricity production. <i>Erik Axelsson, Profu AB</i>	CCS in the European Trading Scheme <i>Christina Olsen-Lundh, School of Business, Economics and Law, Gothenburg University</i>
16:20 - 16:30	BREAK	
	Bio-alcohols and other biofuels	Curent status of R&D in post combustion CO2 capture <i>Kaj Thomsen, Technical University of Denmark</i>
	Bioethanol production-from lab medium to large scale lignocellulosic fermentations <i>Lisbeth Olsson, Chalmers</i>	
	Biobutanol – the biofuel for the future? <i>Christer Larsson, Chalmers</i>	Large scale CCS infrastructure in a European, in a Nordic and in a Swedish perspective <i>Jan Kjärstad, Chalmers</i>
	The art of making yeast to produce biodiesel <i>Jens Nielsen, Chalmers</i>	Combustion and reforming of gaseous fuels with inherent CO2 sequestration by chemical looping technologies <i>Magnus Rydén, Chalmers</i>
18:30	CONFERENCE DINNER AT CHALMERS	

THURSDAY JANUARY 27

08:30 - 09:30

BIOMASS [RunAn]	CCS [Palmstedtsalen]
Presentations by young researchers at Chalmers	Presentations by young researchers at Chalmers
High efficiency electricity generation from biomass <i>Erik Pihl, Chalmers</i>	Oxy-fuel Combustion - Research at Chalmers University <i>Daniel Fleig and Daniel Kühnemuth, Chalmers</i>
Black liquor gasification for biorefinery solutions in the pulp and paper industry <i>Karin Pettersson, Chalmers</i>	Chemical-looping combustion in a 300W test reactor <i>Patrick Moldenhauer, Chalmers</i>
From waste to electricity – is microbial fuel cells the answer? <i>Valeria Mapelli, Chalmers</i>	Application of combined Fe-Mn oxides in Chemical-looping with oxygen uncoupling <i>Golnar Azimi, Chalmers</i>
Algae- a hype or is it the biomass of the future? <i>Eva Albers, Chalmers</i>	Conceptual gas turbine modeling for oxy-fuel power cycles <i>Egill Thorbergsson, Chalmers</i>
Together we are wrong! Second generation bioethanol production by flocculating and encapsulated yeast <i>Johan Westman, Chalmers</i>	CCS in the process industry <i>Viktor Andersson, Chalmers</i>

09:30 - 10:00

COFFEE

10:00 - 12:30

BIOMASS & CCS – BRIDGING TO THE FUTURE [RUNAN]
Pros and cons on CCS <i>Sander van Egmond, Utrecht Centre for Energy Reserach, Utrecht University, the Netherlands</i>
The Politics and Policy of CCS <i>Oluf Langhelle, University of Stavanger, Norway</i>
Public perception on CCS <i>David Reiner, Judge Business School, Cambridge, UK</i>
Fuel fossils – climate change and security of supply <i>Jan Kjärstad, Chalmers</i>
Storage potentials in Europe for CO2 <i>Michelle S Bentham, British Geological Surveys, UK</i>
Biomass – availability and climate benefit <i>Göran Berndes, Chalmers</i>
Bioenergy for development and climate change mitigation: expansion options for Brazil <i>Gerd Sparovek, Sao Paulo Univ / ESAL, Brazil</i>
From lignocellulose to fermentable sugars – enzymes that do the job <i>Claus Felby, University of Copenhagen, Denmark</i>

12:30 - 13:30

LUNCH

13:30 - 15:30

PANEL DISCUSSION – CHALLENGES FOR INDUSTRY & ACADEMIA
<i>Session Chair: Björn Sandén, Chalmers.</i>
<i>Key representatives from our collaboration industries and governmental organisations:</i>
<i>Maria Björk, Stora Enso</i>
<i>Sune Wännström, SEKAB</i>
<i>Mikael G:son Löw, Preem</i>
<i>Lars Strömberg, Vattenfall</i>
<i>Anders Lewald, Swedish Energy Agency</i>
<i>Thore Sahlén, Göteborg Energi</i>
<i>Göran Tillberg, E.ON</i>
<i>David Reiner, Judge Business School, University of Cambridge</i>
<i>Representatives from Chalmers:</i>
<i>Thore Berntsson</i>
<i>Filip Johnsson</i>