Nordic Concrete Research

Johan Silfwerbrand
Swedish Concrete Association
ACI Spring Convention, Quebec City, March 24, 2019
The Nordic Countries
The Nordic Concrete Federation – A 65 Year Cooperation

- *Dansk Betonforening* – Denmark
- *Finska Betongföreningen* – Finland
- *Norsk Betongforening* – Norway
- *Steinsteypufélag Islands* – Iceland
- *Svenska Betongföreningen* – Sweden

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*International ACI Partner
Nordic Concrete Research

- Established in 1982
- 2 issues/ year
- 8-10 papers/ issue
- Peer review: ≥ 2 Nordic experts in the fields
NCR No. 59 (2/2018)

Tobias Danner & Harald Justnes
The Influence of Production Parameters on Pozzolanic Reactivity of Calcined Clays

Mathias Flansbjer & Jan Erik Lindqvist
Meso Mechanical Study of Cracking Process in Concrete Subjected to Tensile Loading

Jukka Lahdensivu, Pirkko Kekäläinen & Alina Lahdensivu
Alkali-silica Reaction in Finnish Concrete Structures

Otto During, Silu Bhochhibhoya, Ramesh Kumar Maskey & Rajendra Joshi
Rice Husk Resource for Energy and Cementitious Products with Low CO2 Contributions

Farid Ullah, Fahim Al-Neshawy & Jouni Punkki
Early Age Autogenous Shrinkage of Fibre Reinforced Concrete

Ulla Kytölä & Anssi Laaksonen
Prediction of Restraint Moments in Precast, Prestressed Structures Made Continuous

Kimmo Jalonen, Joonas Tulonen & Anssi Laaksonen
Influence of Cracking on Effects of Restrained Deformations in a Post-tensioned Concrete Bridge

Andres Belda Revert, Klaartje De Weerdt, Ulla Hjorth Jakobsen & Mette Rica Geiker
Impact of Accelerated Carbonation on Microstructure and Phase Assemblage

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NCR Authors

- Researchers, PhD students, engineers etc. in the five Nordic countries.
- Visiting professors, scholars, & students at Nordic universities.
- Employees at international universities & research institutes cooperating in Nordic research projects.
- Anyone working with problems that are unique for Nordic geology, climate, industry, construction projects, and/or traditions.
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