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<b>Session Title</b>	[OB2] Numerical Techniques
<b>Date and Time</b>	June 20 (Tuesday) / 16:20-18:00
<b>Place</b>	Grand Ballroom (2F, 201)
<b>Session Chair</b>	Oszkar Blro (TU Graz, Austria)

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<b>OB2-1</b>	<b>16:20-16:40</b>
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**Stability Analysis of Time Domain Discontinuous Galerkin H- $\Phi$  Method for Eddy Current Simulations**

Smajic, Jasmin (1,2); Bucher, Matthias (1); Christen, Reto (1); Tanasic, Zeljko (1)  
 1: University of Applied Sciences of Eastern Switzerland (HSR), Switzerland; 2: Swiss Federal Institute of Technology ETH

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<b>OB2-2</b>	<b>16:40-17:00</b>
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**Goal-oriented adaptivity in complementary geometric formulations for electrostatics**

Bettini, Paolo (1,2); De Lorenzi, Antonio (2); Marconato, Nicolò (2); Pilan, Nicola (2); Specogna, Ruben (3)  
 1: University of Padova, Department of Industrial Engineering (DII), 35131 Padova, Italy; 2: Consorzio RFX, 35127 Padova, Italy; 3: University of Udine, Polytechnic Department of Engineering and Architecture (DPIA), 33100 Udine, Italy

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<b>OB2-3</b>	<b>17:00-17:20</b>
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**Eddy-Current-Effect Homogenization of Windings in Harmonic-Balance Finite Element Models Coupled to Nonlinear Circuits**

Sabariego, Ruth V. (1); Niyonmsatian, Korawich (1,2); Gyselinck, Johan (2)  
 1: KU Leuven, Belgium; 2: Université Libre de Bruxelles (ULB), Belgium

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<b>OB2-4</b>	<b>17:20-17:40</b>
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**A Fast Reconstruction Approach for the Assessment of Magnetic Diagnostic Systems in Nuclear Fusion Devices**

Chiariello, Andrea Gaetano; Formisano, Alessandro; Ledda, Francesco; Martone, Raffaele; Pizzo, Francesco  
 Università della Campania "Luigi Vanvitelli", Italy

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<b>OB2-5</b>	<b>17:40-18:00</b>
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**MPP-Based Dimension Reduction Method for Accurate Prediction of the Probability of Failure of a Performance Function**

Kim, Dong-Hun (1); Kang, Byungsu (1); Kim, Chang-Eob (2); Cho, Hyunkyoo (3); Choi, K. K. (3)  
 1: Kyungpook National University, Korea, Republic of (South Korea); 2: Dept. of Electrical Eng., Hoseo Univ., Chungnam 336-795, Republic of Korea; 3: Dept. of Mechanical and Industrial Eng., Univ. of Iowa, Iowa City, IA 52242-1527, USA