

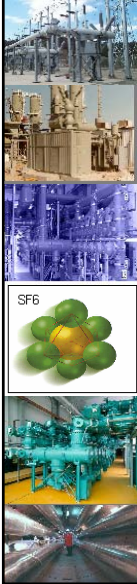



IEEE/PES Substation Committee - GIS Subcommittee







IEEE

## Substations Committee GIS Subcommittee K2 Gas Insulated Technology GIS/GIL/MTS/SF<sub>6</sub>-Tutorial/Panel

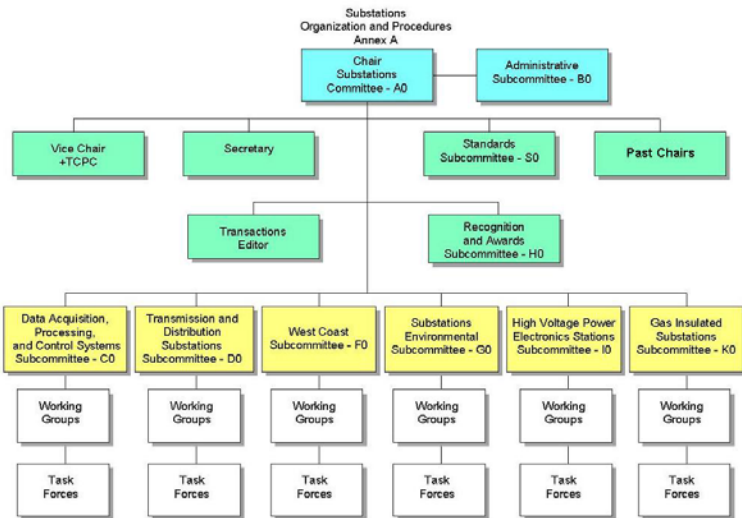
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## Organization Substations Committee

Substations  
Organization and Procedures  
Annex A





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graph TD
    A0[Chair Substations Committee - A0] --- B0[Administrative Subcommittee - B0]
    A0 --- VC[Vice Chair +TCPC]
    A0 --- Sec[Secretary]
    A0 --- S0[Standards Subcommittee - S0]
    A0 --- PC[Past Chairs]
    A0 --- TE[Transactions Editor]
    A0 --- RA[Recognition and Awards Subcommittee - H0]
    
    A0 --- C0[Data Acquisition, Processing, and Control Systems Subcommittee - C0]
    A0 --- D0[Transmission and Distribution Substations Subcommittee - D0]
    A0 --- F0[West Coast Subcommittee - F0]
    A0 --- E0[Substations Environmental Subcommittee - E0]
    A0 --- I0[High Voltage Power Electronics Stations Subcommittee - I0]
    A0 --- K0[Gas Insulated Substations Subcommittee - K0]
    
    C0 --- CG0[Working Groups]
    D0 --- CG1[Working Groups]
    F0 --- CG2[Working Groups]
    E0 --- CG3[Working Groups]
    I0 --- CG4[Working Groups]
    K0 --- CG5[Working Groups]
    
    CG0 --- TF0[Task Forces]
    CG1 --- TF1[Task Forces]
    CG2 --- TF2[Task Forces]
    CG3 --- TF3[Task Forces]
    CG4 --- TF4[Task Forces]
    CG5 --- TF5[Task Forces]
    
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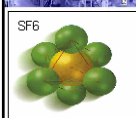

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## Experts Gas Insulated Technology Tutorial / Panel

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    	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Arun Arora</td> <td style="width: 50%;">Consultant</td> </tr> <tr> <td>George Becker</td> <td>United Illuminating</td> </tr> <tr> <td>Lutz Boettger</td> <td>ABB</td> </tr> <tr> <td>Phil Bolin</td> <td>Mitsubishi</td> </tr> <tr> <td>Hugues Bosia</td> <td>AREVA</td> </tr> <tr> <td>John Brunke</td> <td>Siemens</td> </tr> <tr> <td>Wolfgang Degen</td> <td>Consultant</td> </tr> <tr> <td>Mark Etter</td> <td>ABB</td> </tr> <tr> <td>Mel Hopkins</td> <td>CGIT</td> </tr> <tr> <td>Hermann Koch</td> <td>Siemens</td> </tr> <tr> <td>Venkatesh Minisandram</td> <td>National Grid</td> </tr> <tr> <td>Deborah Ottinger</td> <td>EPA</td> </tr> <tr> <td>Ryan Stone</td> <td>Mitsubishi</td> </tr> </table>	Arun Arora	Consultant	George Becker	United Illuminating	Lutz Boettger	ABB	Phil Bolin	Mitsubishi	Hugues Bosia	AREVA	John Brunke	Siemens	Wolfgang Degen	Consultant	Mark Etter	ABB	Mel Hopkins	CGIT	Hermann Koch	Siemens	Venkatesh Minisandram	National Grid	Deborah Ottinger	EPA	Ryan Stone	Mitsubishi	
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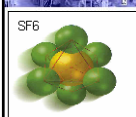

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## Content


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    	<ul style="list-style-type: none"> <li>● Overview</li> <li>● GIS Basics</li> <li>● GIS Applications</li> <li>● GIL Basics</li> <li>● GIL Applications</li> <li>● Mixed Technology Switchgear</li> <li>● SF6</li> <li>● Overloading</li> <li>● GIS Technology Theory</li> <li>● LCA Study</li> </ul>	
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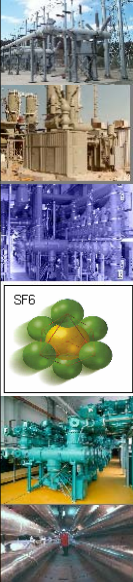
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SF6


### 13 Tutorials or Panels given until today

- Substations Committee Meeting, Sun Valley, April 2003 (Tutorial)
- T&D Conference and Exhibition, Dallas, September 2003 (Tutorial)
- Substations Committee Meeting, New Orleans, April 2004 (Tutorial)
- PES General Meeting, Denver, July 2004 (Tutorial)
- Switchgear Committee Meeting, Tucson, September 2004 (Tutorial)
- Substations Committee Meeting, Tampa, April 2005 (Tutorial)
- PES General Meeting, San Francisco, June 2005 (Panel)
- IEEE Distinguished Lecturer Program, India, August 2005 (Tutorial)
- Substations Committee Meeting, Scottsdale, April 2006 (Tutorial)
- PES General Meeting, Montreal, Canada, June 2006 (Panel)
- Substations Committee Meeting, Bellevue, April 2007 (Tutorial)
- PES General Meeting, Tampa, June 2007 (Panel)
- Substations Committee Meeting, San Francisco, April 2008 (Tutorial)

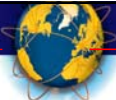
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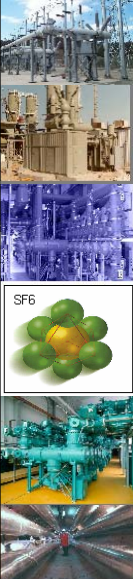
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### T&D Conference 2008 Chicago GIS & MTS Panel Session

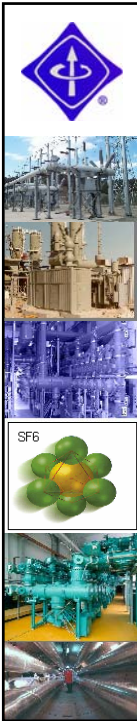
Day: Wednesday, April 23, 2008  
Time: 14:00 – 18:00 h  
Room: McCormic Place, Meeting Room

<b>Presentations</b>		<b>Presenters</b>
14:00	Welcome and Opening	Hermann Koch
14:10	GIS Theory Interruption	John Brunke
14:40	GIL Basics	Hermann Koch
15:10	GIL Applications	Phil Bolin / Gary Bowman
15:40	Discussion on GIL	All
16:20	Coffee Break	All
16:50	MTS	Wolfgang Degen
17:20	Gas Management for the Smart Grid	Ron Hofmann
17:50	Discussion	All
18:00	End	

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**We wish you a good panel session!**