

Coming to Korea  
Open the Door to Korea



**The IUVSTA ECM - 100 Special Symposium**

Sep. 18 – 20, 2006

**The 100<sup>th</sup> Executive Council Meeting of IUVSTA**

Sep. 20 –22, 2006

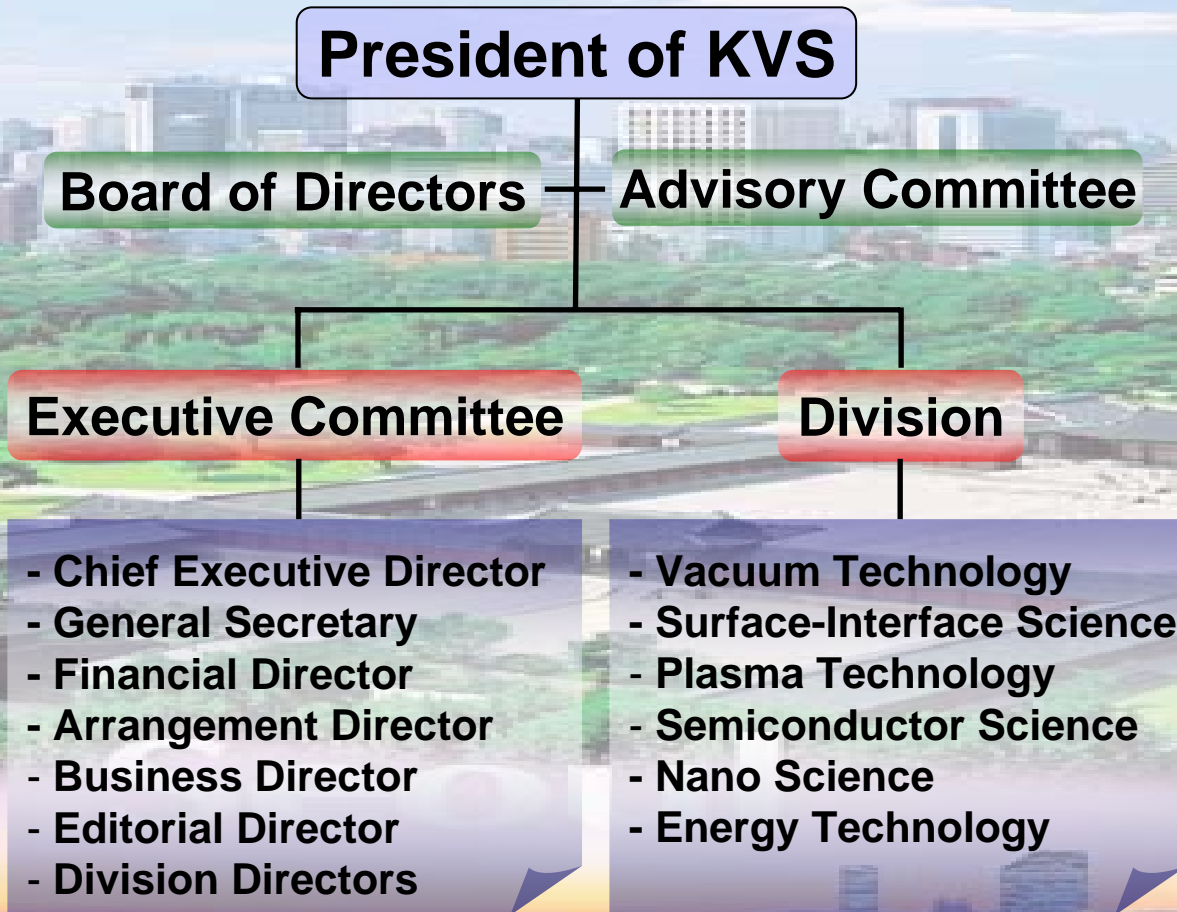
WELCOM TO KOREA  
**WELCOM TO KOREA**

한국진공학회 **The Korean Vacuum Society**

# Introduction to the Korean Vacuum Society

- ◆ **KVS was established in 1991.**
- ◆ **KVS is now a member society of IUVSTA.**
- ◆ **Constitution of KVS**
  - **Six Technical Divisions**
  - **About 2500 Individual Members**
  - **About 100 Industry Members**
- ◆ **Journals Published by KVS**
  - **Journal of the Korean Vacuum of Society (Quarterly, Korean)**
  - **Journal of the Korean Vacuum Science and Technology (Biannual, English)**
- ◆ **KVS Domestic Congress (Biannual in Feb. & Aug.)**
- ◆ **International Conferences Hosted by KVS**
  - **27<sup>th</sup> Int'l Symposium on Dry Process (2005)**
  - **26<sup>th</sup> Int'l Symposium on Integrated Ferroelectrics (2004)**
  - **3<sup>rd</sup> Int'l Symposium on Practical Surface Analysis (2004)**

# Organization of the Korean Vacuum Society



**Honorary President**  
**Prof. Ki Soo Sohn**  
(Kyungpook Nat'l Univ.)

**President**  
**Dr. Kwang Hwa Chung**  
(KRISS)

**Chief Executive Director**  
**Dr. Sam Kyu Noh**  
(KRISS)

**General Secretary**  
**Prof. Jin-Hyo Boo**  
(Sungkyunkwan Univ.)

**Editor-in-Chief**  
**Prof. Kwan Soo Chung**  
(Kyung Hee Univ.)

# Outline of ECM and Special Symposium

## Special Symposium

- Title** : IUVSTA Special Symposium  
- In Commemoration of the 100<sup>th</sup> ECM of IUVSTA -
- Date** : Sep. 18 Morning – Sep. 20 Morning, 2006
- Venue** : Sofitel Ambassador Hotel (Seoul, Korea)
- Attendant Expected** : 300 persons

## ECM-100 of IUVSTA

- Title** : The 100<sup>th</sup> Executive Council Meeting of IUVSTA
- Date** : Sep. 20 Afternoon – Sep. 22 Afternoon, 2006
- Venue** : Sofitel Ambassador Hotel (Seoul, Korea)
- Attendant Expected** : 80 persons

# Topical Areas for Special Symposium

- ❑ Vacuum Science & Application Technologies
- ❑ Surface and Interface Sciences
- ❑ Nanostructured Materials (Nanotubes, Nanowires, Nanocomposites, etc.)
- ❑ Plasma and Display Technologies
- ❑ Growth of Thin Films & Semiconductors and Device Applications
- ❑ Alternative Energy (Fuel Cells, Solar Cells, Battery, Capacitors, etc) Technologies
- ❑ Complex Facilities Using Ultra-High Vacuum of Ion (or Neutron) Beams

# Program Summary

- **Special Symposium : Sept. 18 Morning – 19 Afternoon, 2006**
- **ECM Highlight Seminar : Sept. 20 Morning or Full day**
- **ECM : Sept. 20 Afternoon (or Sept. 21 Morning) – 22 Afternoon**

Day	Morning		Afternoon	
1st (Mon)	<ul style="list-style-type: none"> <li>▪ Registration of Symp.</li> <li>▪ Opening Address &amp; Plenary Session – I</li> </ul>		<ul style="list-style-type: none"> <li>▪ Oral Session – I &amp; II</li> <li>▪ Poster Session – I</li> </ul>	
2nd (Tue)	<ul style="list-style-type: none"> <li>▪ Oral Session – III &amp; IV</li> </ul>		<ul style="list-style-type: none"> <li>▪ Oral Session – V</li> <li>▪ Plenary Session – II</li> <li>▪ Poster Session – II</li> <li>▪ Banquet</li> </ul>	
3rd (Wed)	Choice I	Choice II	Choice I	Choice II
	ECM-100 Triennial Highlight Session	▪ECM-100 Triennial Highlight Session I	▪Registration of ECM ▪ECM-100	ECM-100 Triennial Highlight Session II
4th (Thu)	▪ ECM-100	▪Registration of ECM ▪ECM-100	• ECM-100	•ECM-100
5th (Fri)	▪ ECM-100 ▪ Closing Remarks	▪ECM-100	▪ Tour of Samsung or LG Electronics	▪ECM -100 ▪Closing Remarks

# ECM-100 Highlight Seminar [Choice I]

20th September(Wednesday), Half-day Schedule, Orchid Room (19th Fl.)

08:30-09:00	1. Prof. Monika Jenko(Applied Surf. Sci., Slovenia) 2. Dr. Dea-Won Moon(Applied Surf. Sci. in, Korea) KRISS
09:00-09:30	3. Gray E. McGurie(Elec. Mats. & Processing, USA) 4. Prof. Euijun Yoon(Elec. Mats. & Processing in Korea) SNU
09:30-10:00	5. Hans Joachim Guntherodt(Nano. Strs., Germany) 6. Prof. Young Kuk(Nano Strs. in Korea) SNU
10:00-10:30	7. Prof. David Ruzic(Plasma Sci. & Technol., USA) 8. Prof. Eun-Ha Choi(Plasma Sci. & Technol., Korea) KWU
10:30-11:00	Coffee Break
11:00-11:30	9. Dr. William D. Sproul(Surf. Eng., USA) 10. Prof. Jeon G. Han(Surf. Eng., Korea) SKKU
11:30-12:00	11. Prof. Niel D. Shinn(Surf. Sci.,USA) ndshinn@sandia.gov 12. Prof. Chong-Yun Park(Surf. Sci., in Korea) SKKU
12:00-12:30	13. Prof. Roger de Gryse(Thin Film, Belgium) 14. Prof. Seong-Ju Park(Thin Film, Korea) K-JIST
12:30-13:00	15. Prof. Janez Setina(Vac. Sci. & Technol., Slovenia) 16. Dr. Chang. G. Kim(Vac. Sci. & Technol., in Korea) PAL
13:00-14:00	Lunch
14:00-	ECM-100 Opening

(In this case, the ECM-100 and Associated Meetings will be held from the afternoon of 20th Sep. to morning of 22nd Sep., 2006)

# ECM-100 Highlight Seminar [Choice II]

20th September(Wednesday), Half-day Schedule, Orchid Room (19th Fl.)

08:30-09:00	1. Prof. Monika Jenko(Applied Surf. Sci., Slovenia)
09:00-09:30	2. Gray E. McGurie(Elec. Mats. & Processing, USA)
09:30-10:00	3. Hans Joachim Guntherodt(Nano. Strs., Germany)
10:00-10:30	4. Prof. David Ruzic(Plasma Sci. & Technol., USA)
10:30-11:00	Coffee Break
11:00-11:30	5. Dr. William D. Sproul(Surf. Eng., USA)
11:30-12:00	6. Prof. Niel D. Shinn(Surf. Sci.,USA) <a href="mailto:ndshinn@sandia.gov">ndshinn@sandia.gov</a>
12:00-12:30	7. Prof. Roger de Gryse(Thin Film, Belgium)
12:30-13:00	8. Prof. Janez Setina(Vac. Sci. & Technol., Slovenia)
13:00-14:00	Lunch
14:00-	ECM-100 Opening

(In this case, the ECM-100 and Associated Meetings will be held from the afternoon of 20th Sep. to morning of 22nd Sep., 2006)



# ECM-100 Highlight Seminar [Choice III]

20th September(Wednesday) full-day schedule, Orchid Room (19th Fl.)

08:30-09:00	1. Prof. Monika Jenko(Applied Surf. Sci., Slovenia)
09:00-09:30	2. Dr. Dea-Won Moon(Applied Surf. Sci. in, Korea) KRISS
09:30-10:00	3. Gray E. McGurie(Elec. Mats. & Processing, USA)
10:00-10:30	4. Prof. Euijun Yoon(Elec. Mats. & Processing in Korea) SNU
10:30-11:00	Coffee Break
11:00-11:30	5. Hans Joachim Guntherodt(Nano. Strs., Germany)
11:30-12:00	6. Prof. Young Kuk(Nano Strs. in Korea) SNU
12:00-12:30	7. Prof. David Ruzic(Plasma Sci. & Technol., USA)
12:30-13:00	8. Prof. Eun-Ha Choi(Plasma Sci. & Technol., Korea) KWU
13:00-14:00	Lunch
14:00-14:30	9. Dr. William D. Sproul(Surf. Eng., USA)
14:30-15:00	10. Prof. Jeon G. Han(Surf. Eng., Korea) SKKU
15:00-15:30	11. Prof. Niel D. Shinn(Surf. Sci.,USA) ndshinn@sandia.gov
15:30-16:00	12. Prof. Chong-Yun Park(Surf. Sci., in Korea) SKKU
16:00-16:30	Coffee Break
16:30-17:00	13. Prof. Roger de Gryse(Thin Film, Belgium)
17:00-17:30	14. Prof. Seong-Ju Park(Thin Film, Korea) K-JIST
17:30-18:00	15. Prof. Janez Setina(Vac. Sci. & Technol., Slovenia)
18:00-18:30	16. Dr. Chang. G. Kim(Vac. Sci. & Technol., in Korea) PAL
18:30-20:00	Dinner

(In this case, the ECM-100 and Associated Meetings will be held from the morning of 21st Sep. to the afternoon of 22nd Sep., 2006 without excursion.)

한국진공학회 The Korean Vacuum Society

# Current Invited Speaker Status

## ECM-100 Triennial Highlight Seminar

1. Prof. Monika Jenko(Applied Surf. Sci., Slovenia)	Accepted
2. Dr. Dae-Won Moon(Applied Surf. Sci. in, Korea) KRISS	Accepted
3. Gray E. McGurie(Elec. Mats. & Processing, USA)	No answer
4. Prof. Euijun Yoon(Elec. Mats. & Processing in Korea) SNU	No answer
5. Hans Joachim Guntherodt(Nano. Strs., Germany)	Accepted
6. Prof. Young Kuk(Nano Strs. in Korea) SNU	No answer
7. Prof. David Ruzic(Plasma Sci. & Technol., USA)	Accepted
8. Prof. Eun-Ha Choi(Plasma Sci. & Technol., Korea) KWU	No answer
9. Dr. William D. Sproul(Surf. Eng., USA)	Accepted
10. Prof. Jeon G. Han(Surf. Eng., Korea) SKKU	No answer
11. Prof. Niel D. Shinn(Surf. Sci.,USA) ndshinn@sandia.gov	Waiting for approval
12. Prof. Chong-Yun Park(Surf. Sci., in Korea) SKKU	No answer
13. Prof. Roger de Gryse(Thin Film, Belgium)	No answer
14. Prof. Seong-Ju Park(Thin Film, Korea) K-JIST	No answer
15. Prof. Janez Setina(Vac. Sci. & Technol., Slovenia)	Accepted
16. Dr. Chang. G. Kim(Vac. Sci. & Technol., in Korea) PAL	x

# Current Invited Speaker Status

## IUVSTA ECM-100 Special Seminar

	ECM Delegates	Non ECM Delegates
Plenary Session	<ol style="list-style-type: none"> <li>1. Prof. U. Valbusa (President of IUVATA, ITALY)</li> <li>2. Prof. M. G. Barthers-Labrousse(Past president)</li> </ol>	<ol style="list-style-type: none"> <li>3. Semiconductor –Samsung, Korean Company</li> <li>4. Display-LG, Korean Company</li> </ol>
Applied Surf. Sci.	<ol style="list-style-type: none"> <li>1. Prof. Monika Jenko(Slovenia)</li> <li>2. Dr. Dea-Won Moon(KRISS, Korea)</li> <li>3. Prof. M. C. Asensio (Scientific Director, SP)</li> </ol>	<ol style="list-style-type: none"> <li>4. Prof. Jin Jang (Display, Kunghee Univ. Korea)</li> </ol>
Electronic Materials and Processing	<ol style="list-style-type: none"> <li>1. Gray E. McGurie( USA)</li> <li>2. Prof. Euijun Yoon(SNU, Korea)</li> </ol>	<ol style="list-style-type: none"> <li>3. T.W. Kang(Semiconductor,, Korea)</li> <li>4. Y. P. Lee(Semiconductor, Korea)</li> <li>5. S. G. Lee(Samsung, Korea)</li> <li>6. Y. H. Jung( Postech, Korea)</li> </ol>
Nanometer Structure	<ol style="list-style-type: none"> <li>1. Hans Joachim Guntherodt(Germany)</li> <li>2. Prof. Young Kuk( SNU, Korea)</li> <li>3. Prof. H. Gao (Scientific Secretary, China)</li> </ol>	<ol style="list-style-type: none"> <li>4. Prof. R. A. Fischer(Germany)</li> <li>5. Prof. B. Mizaikoff(USA)</li> </ol>
Plasma Sci. & Technol.	<ol style="list-style-type: none"> <li>1. Prof. David Ruzic(USA)</li> <li>2. Prof. Eun-Ha Choi( KWU, Korea)</li> </ol>	<ol style="list-style-type: none"> <li>3. H. Y. Chang (KAIST, Korea)</li> <li>4. Prof. C-P Klages(Germany)</li> </ol>
Surf. Eng.	<ol style="list-style-type: none"> <li>1. Dr. William D. Sproul( USA)</li> <li>2. Prof. Jeon G. Han( SKKU, Korea)</li> </ol>	
Surf. Sci.	<ol style="list-style-type: none"> <li>1. Prof. Niel D. Shinn(USA)</li> <li>2. Prof. Chong-Yun Park (SKKU, Korea)</li> <li>3. Dr. John Grant (Treasurer, USA)</li> </ol>	<ol style="list-style-type: none"> <li>4. Prof. J. Kang(SNU, Korea)</li> <li>5. Prof. J. H. Lee(SNU, Korea)</li> <li>6. Prof. F. Zaera(Nano-surface, USA)</li> </ol>
Thin Film	<ol style="list-style-type: none"> <li>1. Prof. Roger de Gryse(Belgium)</li> <li>2. Prof. Seong-Ju Park(K-JIST, Korea)</li> </ol>	<ol style="list-style-type: none"> <li>3. Prof. Y. Kim (Korea Univ., Korea)</li> <li>4. Dr. J. I. Lee (KIST, Korea)</li> <li>5. Prof. Lu Li (Singapore)</li> </ol>
Vacuum Sci.and Technol.	<ol style="list-style-type: none"> <li>1. Prof. Janez Setina( Slovenia)</li> <li>2. Dr. Chang. G. Kim(PAL, Korea)</li> <li>3. Prof. Ron Reid (Secretary, USA)</li> </ol>	

# Organization of Special Symposium

## Honorary Chair

**Ki Soo Sohn (Councilor of IUVSTA, Kyungpook Nat'l Univ.)**

## Symposium Chair

**Kwang Hwa Chung (President of KVS, KRISS)**

## General Secretary

**Jin-Hyo Boo (General Secretary of KVS, Sungkyunkwan Univ.)**

## Program Chair

**Geun Young Yeom (Editorial Vice-director of KVS, Sungkyunkwan Univ.)**

## Publication Chair

**Kwan Soo Jung (Editorial Director of KVS, Kyung Hee Univ.)**

## Local Organizing Committee Chair

**Sam Kyu Noh (Editorial Director of KVS, KRISS)**

## Organizing Committee Members (All Staffs of KVS)

## International Committee Members (All Councilors of IUVSTA)

# How to Get to Seoul, Korea

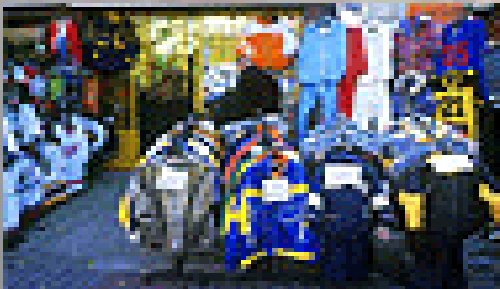
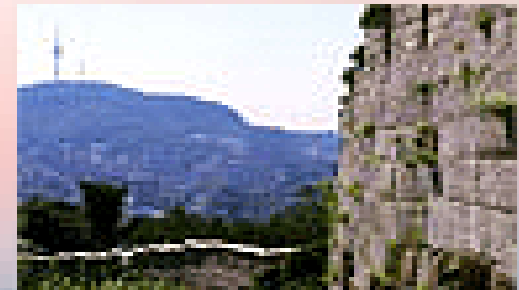


# ECM & Symposium Venue



**Sofitel Ambassador Hotel (Seoul)**

# Seoul Capital City and Sofitel Ambassador Hotel



It takes around **1.5 hr** from Incheon Int'l Airport to the Hotel by airport limousine bus.