

Polymer Education for Students and Public

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(Dept. of Polymer Sci. & Eng., Sunchon National Univ.,
NR and TM (2000-2013) of Committee on Chemical Education, IUPAC
)

'Polymer' Education

Polymer Science and Technologies

become popular due to the advent of

Nano Sciences and Technology

(size: 1-100 nm)

polymeric materials – nano(size) materials

Polymer Education at

- * Universities and Colleges
- * Scientific Societies

- * Cyber Education
- * Short Courses

Polymer Education at Universities and Colleges

Departments – **Polymer Sci. & Eng.,**
Chemical Engineering,
Chemistry,
Materials Sci.,
Nano Science,
Biomaterials &
Medicinal materials

Polymer Education in Scientific Societies

* The Polymer Society of Korea (www.polymer.or.kr)

- Polymer Academy,
- Polymer Forum,
- Polymer New Technology Lecture,
- Academy-Industry-Research Workshop

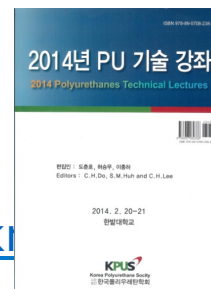
* Korea Polyurethane Society (www.kpus.or.kr)

- PU Technical Lectures

* Korean Society for Biomaterials (www.ksbm.or.kr)

- workshops

* Other Societies - workshops



Cyber Lectures for Polymer Education:

<http://www.chemistryculture.org/ChemStory/cypolychemtech.html>

The screenshot shows a web browser window with the URL <http://www.chemistryculture.org/ChemStory/cypolychemtech.html>. The page title is '고분자 화학과 기술' (Polymer Chemistry & Technology). The main content area is divided into several sections: '소개 Introduction', '강의 내용 Contents', '고분자 관련 소식 News', '고분자 용어 해설 Glossary', and '고분자 문답 Q & A'. There is also an 'English Version' link and a 'back to chemistry' link. The footer includes contact information for choondo@sunchon.ac.kr and a copyright notice for July 6, 2014.

http://www.chemistryculture.org/CemStory/cypct-frontpage/pct-contents.html

국립순천대학교 2014...

(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)

찾기에 추가

찾기 피드 열어본 ...

대한민국 웹 사이트

화학과 문화

왕피천

학회

신문

카페24-PU학회홈페이지호스...

여행

PCC - Intergovernmental Pa...

네이버

디지털융진문화대전예 오신 ...

음악-노래

Google

<B국민은행

All Nobel Prizes in Chemistry

조선일보-유희영의 News En...

Aware Electronics Corp. RM ...

백제금동대향로 - Google 검색

Web site of David A. Katz

백제금동대향로 (百濟金銅大...

Chinese Archaeology

GHS

International Isocyanate Inst...

추천 사이트 사용...

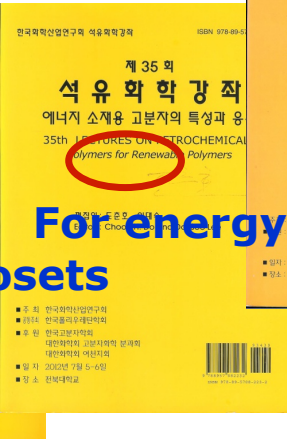
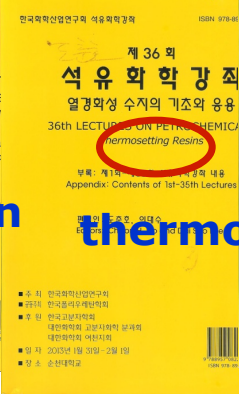
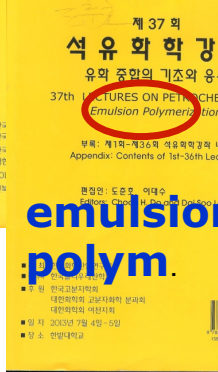
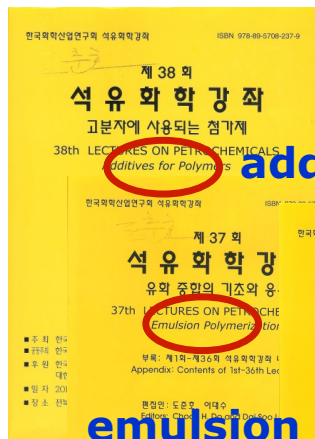
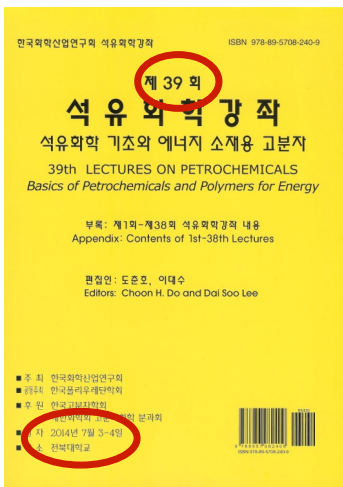
강의 내용 CONTENTS

장 Chapter	주제 Subject	Subject
1	서론	Introduction
2	고분자의 응용	Application of Polymers
3	고분자의 기본 고분자 구조와 형태	Basics of Polymers
4	고분자 물성과 시험법	Physical Properties of Polymers and Testing Methods
5	고분자 가공	Polymer Process
6	첨가제	Additives
7	고분자의 분자량	Molecular Weights of Polymers
8	천연 고분자와 생체고분자	Natural Polymers and Biological Polymers
9	석유화학	Petroleum Chemistry
10	단량체 합성	Monomer Synthesis
11	개발 고분자의 성질과 합성	Synthesis of Various Polymers
12	단계 중합	Step Polymerization
13	자유 라디칼 중합	Radical Polymerization
14	이온 중합	Ionic Polymerization
15	배위 중합	Coordination Polymerization
16	개환 중합	Ring-opening Polymerization
17	고분자의 반응	Reactions of Polymers
18	고분자의 분석	Analysis of Polymers
19	나노 기술과 새로운 고분자	Nano Technology and New Polymers

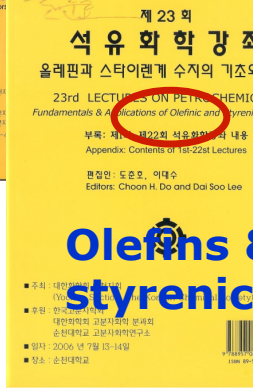
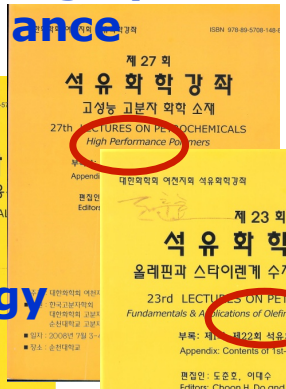
Back

오전 4:12
2014-07-09

Lectures on Petrochemicals, June 1995-Present



high performance



additives

emulsion polym.

thermosets

For energy

Olefins & styrenic

39th LECTURES ON PETROCHEMICALS

Basics for Petrochemicals & Polymers for Energy

Program

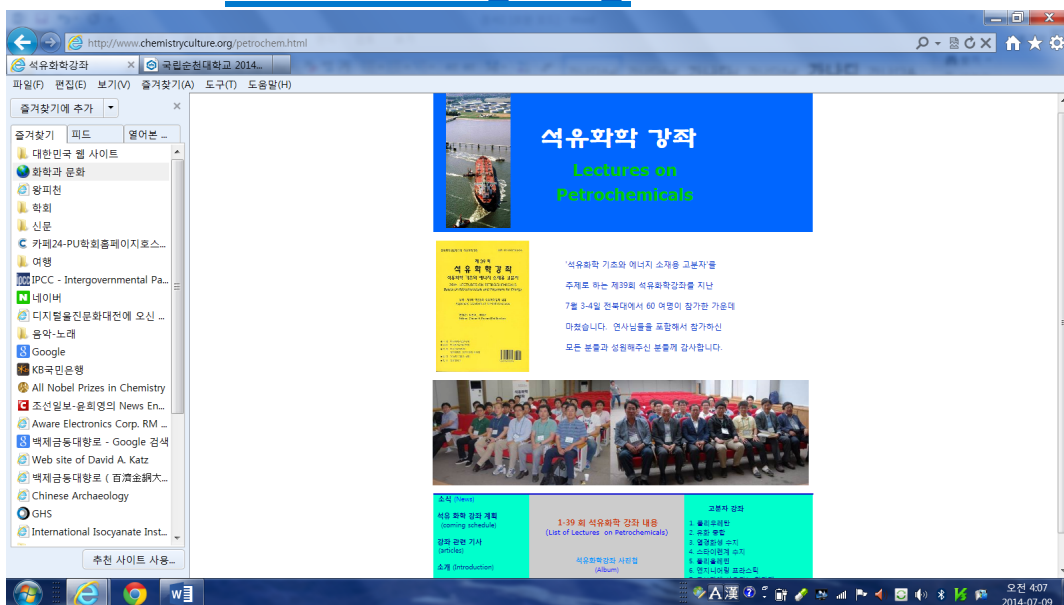
July 3, Thursday

08:00 - 12:50 AM	Registration	
08:50 AM - 1:00 PM	Introduction	
	Chair: Prof. D. S. Lee and K. W. Jun	
01:00 - 1:45 PM	1. Naphtha Cracking & Petrochemical Feed Production	S. G. Lee (Yeochun NCC)
01:45 - 2:30	2. Petrochemical Product Distribution Chart	D. S. Oh (Yeochun NCC)
02:30 - 2:50	<i>coffee break</i>	
02:50 - 3:35	3. The second Petroleum – Shale Gas	J.-H. Kim (KIGMR)
03:35 - 4:20	4. Shale Gas Chemistry – New Way for Petrochemical Feed Stocks	K.-W. Jun (KRICT)
04:20 - 4:40	<i>coffee break</i>	
04:40 - 5:25	5. Carbon Fiber Composites	S. Y. Kim (KIST)
05:25 - 6:10	6. Integrates a wind turbine and Composites of resin	J. Y. Yoon (KICCT)
06:10 - 07:00	<i>Banquet</i>	

July 4, Friday

Chair: Dr. Y Kang and Dr. J. P. Kim,		
09:00 - 9:45 AM	7. Future Energy Resources: Methane Hydrate	Y. J. Lee (KIGM)
09:45 - 10:30	8. Oilsands Reservoir Characterization And Production	H. S. Lee (KIGM)
10:30 - 10:50	<i>coffee break</i>	
10:50 - 11:35	9. Polymer Electrolytes for Lithium Batteries	Y. Kang (KRIC)
11:35 - 12:20	10. Polymers for Organic Solar Cells	S.-H. Lee (CNU)
12:20 - 1:20 PM	<i>Lunch</i>	
1:20 - 2:05 PM	11. Encapsulant Technology for LED	J. P. Kim(KOPI)
2:05 - 2:50	12. Heat Dissipating Materials for LED	D. S. Lee (CNU)
02:50 PM	<i>Closing</i>	

Web site of Lectures on Petrochemicals:
www.kcirg.org



Conclusions

To promote and improve '**Polymer Education**',

Provide more

- (1) information,
- (2) materials &
- (3) opportunity to learners

**Thank you
for your attention**