

to the discussion of experimental conditions for their synthesis, information on structure and crystal morphology can be found in the individual chapters. As expected, the authors put the main emphasis on the various preparation methods of ZSM-5. For this zeolite they also briefly discuss molding methods, a topic highly relevant to applications. The book concludes with a short third part on zeolites with unknown structures.

The keyword "synthesis of zeolites" provokes a comparison with *R. M. Barrer's* classic "Hydrothermal Chemistry of Zeolites" (Academic Press, London 1982). Such a comparison is, however, difficult because the two monographs follow completely different approaches: While *Barrer* focuses on the general principles of zeolite synthesis, *Jacob*

and *Martens* present a collection of facts, especially on high-silica zeolites. The authors have critically reviewed the literature up to and including 1985. They have succeeded in giving a clear and understandable presentation of their topic, which is partly due to a large number of well presented diagrams and figures. In particular, the numerous X-ray diffraction data may often save the reader a lot of tedious literature searching. In summary, this book will be a valuable tool for the expert as well as for novices in the field of high-silica zeolites.

Eckehart Roland
Degussa AG; ZN Wolfgang,
Hanau (FRG)

Conference Calendar

August 1988

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| <p>15-19 Controlled Release of Bioactive Materials,
15th Int. Symp.
Basel (Switzerland)
Contact: Administrative Office, Controlled Release Soc.,
16 Nottingham Dr., Lincolnshire, ILL. 60015, USA</p> <p>15-19 Solid State Studies in Ceramics,
Gordon Conf.
Meridan (USA)
Contact: A. M. Cruickshank,
Gordon Res. Ctr., Univ. Rhode Island, Kingston, RI 02881-0801, USA</p> <p>15-19 Physics of Semiconductors,
19th Int. Conf.
Warsaw (Poland)
Contact: J. Kossut, Inst. of Physics, Polish Academy of Sci., Al. Lotnikow 32/46,
02-668 Warsaw, Poland</p> <p>15-19 Liquid Crystals,
12th Int. Conf.
Freiburg (Fed. Rep. Germany)
Contact: Dr. G. Baur, Fraunhofer-Institut IAF, Eckerstr. 4,
D-7800 Freiburg, FRG</p> <p>16-19 Critical Currents in High-Temp. Superconductors
Snowmass Village (USA)
Contact: J. R. Clem, A 517 Physics, Iowa State Univ. Ames, IA 50011, USA</p> <p>18-22 Synchrotron Radiation,
(SR-88)</p> | <p>21-25 Applied Superconductivity
San Francisco (USA)
Contact: C. Henning, L-644, LLNL, Livermore, CA 94550, USA</p> <p>22-25 Nonlinear Optical Properties of Materials
Troy (USA)
Contact: OSA, 1816 Jefferson Pl. NW, Washington, DC 20036, USA</p> <p>22-26 Ceramic Developments - Past, Present and Future,
Int. Ceramic Conf. and Fair Sydney (Australia)
Contact: G. Henness, New South Wales Inst. of Technology, Dept. of Materials Sci., P.O. Box 123, Broadway NSW 2007, Australia</p> <p>22-27 Phase Interaction in Composite Materials
Patras (Greece)
Contact: Prof. S. A. Paipetis, Univ. of Patras, Patras 26001, Greece</p> <p>23-27 Interface Phenomena - Adhesion and Friction: Microscopic Concepts
Halifax (Canada)
Contact: H. J. Kreuzer, Phys. Dept., Dalhousie Univ., Halifax, Nova Scotia, B3H 3Y5 Canada</p> | <p>24-26 Solid State Devices and Materials
Tokyo (Japan)
Contact: Business Center for Academic Societies Japan, Yamazaki Bldg. 4F, 40-14 Hongo 2-chome, Bunkyo, Tokyo 113, Japan</p> <p>28-1 Molecular Beam Epitaxy (MBE-5)
Sapporo (Japan)
Contact: Prof. M. Konagai, Tokyo Inst. Tech., Dept. of Electrical and Electronic Eng., 1-12-1 Okayama, Meguro-ku, Tokyo 152, Japan</p> <p>28-10 Structure-Property Relationships in Surface Modified Ceramics
NATO Adv. Study Inst. Pisa (Italy)
Contact: C. J. McHargue, Metals & Ceramics Division, Oak Ridge Natl. Lab. P.O. Box 10, Oak Ridge, TN 37831-6118, USA</p> <p>29-1 Applications of Polar Dielectrics and Ferroelectrics,
Int. Symp.
Zürich (Switzerland)
Contact: H. Arend, Swiss Federal Inst. of Tech., Lab. of Solid State Physics, CH-8093 Zürich, Switzerland</p> <p>29-1 Semiconductor Lasers,
11th IEEE Conf.
Boston (USA)
Contact: R. T. Wageman, IEEE Leos, 345 East 47th St., New York, NY 10017, USA</p> |
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| <p>29-2 Defects in Insulating Crystals
Parma (Italy)
Contact: Dr. R. Capelletti,
Dipt. di Fisica, Univ. di Parma,
Via M. D'Azeglio 85,
43100 Parma, Italy</p> | <p>4-9 Metal-Hydrogen Systems, Fundamentals and Applications,
Int. Symp.
Stuttgart (Fed. Rep. Germany)
Contact: Dr. E. Fromm, Max-Planck-Institut für Metallforschung, Inst. für Werkstoffwissenschaften, Seestraße 92,
D-7000 Stuttgart 1, FRG</p> | <p>10-17 Electrochemistry of Conductive Polymers
Sulejow (Poland)
Contact: Janusz Ptocharski,
Inst. of Inorganic Technology,
ul. Noakowskiego 3,
00664 Warszawa,
Poland</p> |
| <p>29-1 E-MRS Polycrystalline Semiconductors '88—Phys. Prop. of Grain Boundaries and Interfaces
Malente (Fed. Rep. Germany)
Contact: H. J. Möller; H. P. Strunk, Tech. Univ. Hamburg-Harburg, Eissendorfer Str. 42,
2100 Hamburg 90, FRG</p> | <p>4-16 Surfaces and Interfaces on Ceramic Materials,
NATO Adv. Study Inst.
Oleron (France)
Contact: Dr. L. C. Dufour,
Chimie des Matériaux IREQ,
CP 1000, Varennes,
Quebec JOL 2PO, Canada</p> | <p>12-14 Materialforschung 1988,
BMFT Symp.
Hamm (Fed. Rep. Germany)
Contact: Material- und Rohstoffforsch., KFA Jülich GmbH, Postfach 1913, D-5170 Jülich, FRG</p> |
| <p>29-2 Electrical Transport and Optical Properties in Inhomogeneous Media,
2nd Int. Conf.
Paris (France)
Contact: J. Lafait, Lab. d'Optique des Solides, Univ. Pierre and Marie Curie, 4 Place Jussieu, 75252 Paris Cedex 05
France</p> | <p>4-16 Plasma Surface Interactions and Processing of Materials,
NATO Adv. Study Inst.
Alicante (Spain)
Contact: Prof. O. Auciello,
NC State Univ., Dept. of Nuclear Eng., Raleigh, NC 27695-7909, USA</p> | <p>12-16 Industrial Applications of the Mößbauer Effect,
Int. Symp. (ISIAME '88)
Parma (Italy)
Contact: Prof. M. Carbuicchio, Univ. di Parma, Dipto. di Fisica, Viale delle Scienze, I-43100 Parma, Italy</p> |
| <p>29-10 Ion Beam Analysis of Solids,
Summerschool
Jena (German Dem. Rep.)
Contact: Prof. G. Götz,
Friedrich-Schiller-Univ., Sektion Physik, Max-Wien-Platz 1, DDR-6900 Jena, GDR</p> | <p>5-7 Electrical, Optical and Acoustic Properties of Polymers
Canterbury (United Kingdom)
Contact: The Plastics and Rubber Inst., 11 Hobart Pl., London SW1X 0HL, UK</p> | <p>12-16 Surface Modification of Metals by Ion Beams,
6th Int. Conf. (SMMIB '6)
Riva del Garda (Italy)
Contact: Dr. L. Guzman, Technologica in Trento, Istituto per la Ricerca Scientifica, I-38050 Povo, Trento, Italy</p> |
| <hr/> <p>September 1988</p> <hr/> | | |
| <p>1-3 Electrets,
6th Int. Symp.
Oxford (United Kingdom)
Contact: Dr. D. K. Das-Gupta,
School of Electronic Eng. Sci., Univ. College of North Wales, Bangor, Gwynedd, LL57 1UT, UK</p> | <p>6-9 Physics of Semiconductors
Frankfurt an der Oder (German Dem. Rep.)
Contact: Kammer der Technik, Ebertsstr. 2, DDR-1200 Frankfurt an der Oder, GDR</p> | <p>12-16 Properties and Applications of Dielectric Materials,
2nd Int. Conf. (ICPADM-2)
Beijing (People's Rep. China)
Contact: Prof. Z. Renyu, Tsinghua University, Dept. of Electrical Eng., Beijing, People's Rep. of China</p> |
| <p>4-8 Zeolites as Catalysts, Sorbents and Detergent Builders,
Int. Symp.
Würzburg (Fed. Rep. Germany)
Contact: Dr. H. G. Karge, Fritz-Haber-Inst. der Max-Planck-Gesellsch., Faradayweg 4-6, D-1000 Berlin 33</p> | <p>6-9 Fiber Optics, Optoelectronics, and Laser Applications in Sci. and Eng.,
Int. Symp. and Exhibition
Boston (USA)
Contact: SPIE, P. O. Box 10, Bellingham, WA 98227-0010, USA</p> | <p>12-15 Solid State Protonic Conductors IV
Exeter (United Kingdom)
Contact: Dr. R. C. Slade, Univ. of Exeter, Dept. of Chem., Stocker Rd., Exeter EX4 4QD, UK</p> |
| <p>4-9 Electron Microscopy,
9th Eur. Congr. (EUREM 88)
York (United Kingdom)
Contact: EUREM 88, The Royal Microscopical Soc., 37-38 St. Clements, Oxford OX 4 1AJ, UK</p> | <p>7-9 Techniques and Mechanisms in Polymer Degradation and Stabilisation
Brighton (United Kingdom)
Contact: Dr. N. S. Allen, Dept. of Chemistry, John Dalton Faculty of Technol., Manchester Polytechnic, Chester St., Manchester M15GD, UK</p> | <p>12-17 Evaluation of Adv. Semiconductor Materials by Electron Microscopy,
NATO Adv. Workshop
Bristol (United Kingdom)
Contact: Dr. D. Cherns, HH Wills Phys. Lab. Univ. Tyndall Ave., Bristol BSB 1 TL, UK</p> |

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| <p>13-15 Speciality Polymers,
3rd Int. Conf.
Cambridge (United Kingdom)
Contact: Monique Heald,
Butterworth Scientific Ltd.,
P.O. Box 63, Westbury House,
Bury St., Guilford, Surrey
GU2 5BH, UK</p> <p>13-16 Modern Optics,
3rd Int. Symp. (OPTIKA '88)
Budapest (Hungary)
Contact: Optical, Acoustical
and Filmtechnical Soc., Se-
cretariat of OPTIKA '88, Foe
u. 68, H-1027 Budapest,
Hungary</p> <p>13-16 Structure and Reactivity of
Solids
Trieste (Italy)
Contact: Prof. C. Morterra,
Ist. Chimica Fisica, C.so M
D'Azeglio 48, I-10125 Torino,
Italy</p> <p>13-16 Polymers, Laminations &
Coatings
Atlanta (USA)
Contact: Meet. Dept., TAPPI,
Technology Park, Atlanta,
GA 30348-5113, USA</p> <p>19-23 Plasma Surface Engineering,
1st. Int. Conf.
Garmisch-Partenkirchen
(Fed. Rep. Germany)
Contact: Dtsch. Gesellsch.
für Metallkunde e.V.,
Adenauerallee 21,
D-6370 Oberursel, FRG</p> <p>19-23 Optical Sci. and Eng.,
Int. Conf. and Exhibition
(EUROPTIKA 88)
Hamburg (Fed. Rep. Germany)
Contact: SPIE, P.O. Box 10,
Bellingham, WA 98227-0010,
USA</p> <p>20-23 Polymer Surfaces and Inter-
faces,
Workshop
Pacific Grove, CA (USA)
Contact: J. Rabolt, IBM,
Almaden Research Ctr.,
650 Harry Rd., San Jose,
CA 95120-6099, USA</p> <p>21-23 Solid-State Circuits,
14th Eur. Conf. (ESSCIRC-14)
Manchester (United Kingdom)
Contact: Dr. P. J. Hicks,
UMIST, Dept. of Electrical
Eng. and Electronics, P.O.
Box 88, Manchester M60
1QD, UK</p> | <p>22-23 Oxidation of High-Temperature
Intermetallics,
Workshop
Westlake, OH (USA)
Contact: T. Grobstein, NASA
Lewis Research Center
2100 Brookpark Rd., M/S49-1
Cleveland, OH 44135-3191,
USA</p> <p>24-30 World Materials Congress
Chicago (USA)
Contact: World Materials
Congress, Technical Depart-
ment ASM International,
Metals Park, OH 44073,
USA</p> <p>26-30 Polymer Networks Group,
9th Mtg.
Freiburg (Fed. Rep. Germany)
Contact: W. Burchard, Inst.
für Makromolekulare Chemie,
Univ. of Freiburg, Stefan-
Meier-Str. 31, D-7800 Freiburg,
FRG</p> <p>26-30 Welding and Melting by Elec-
tron and Laser Beams,
4th Int. Colloq.
Cannes, France
Contact: Commissariat a
l'Energie Atomique,
DTECHSTA,
91191 Gif-sur-Yvette
Cedex, France</p> <p>28-30 Ungewöhnliche Valenzzustände
in Festkörpern,
5. Vortragstagung der
Fachgruppe Festkörperchemie
der Gesellsch. Dtsch. Chem.
Erlangen (Fed. Rep. Germany)
Contact: GDCh, Abtlg. Ta-
gungen, Postfach 900440, D-
6000 Frankfurt am Main 90,
FRG</p> | <p>9-14 Ultrafast Phenomena and Non-
linear Optics,
Chicago (USA)
Contact: R. R. Alfano, City
College of New York, 138 St.
and Convent Ave., New York,
NY 10031, USA</p> <p>12-14 Ceramic Powder Processing
Science,
2nd Int. Conf.
Berchtesgaden (Fed. Rep.
Germany)
Contact: Dtsch. Keram. Ge-
sellsch., Postfach 1226, D-
5340 Bad Honnef 1, FRG</p> <p>12-14 Electrochemistry and
Electronics
Basel (Switzerland)
Contact: Dr. W.-D. Luz, Me-
tallgesellschaft AG, D-6000
Frankfurt am Main 1, FRG</p> <p>13-14 Laser-Materialbearbeitung,
Eur. Conf.
Bad Nauheim (Fed. Rep.
Germany)
Contact: Dtsch. Verband für
Schweißtechnik e.V., Postfach
2725, D-4000 Düsseldorf 1,
FRG</p> <p>13-15 Berliner Polymeren-Tage 1988
West-Berlin
Contact: Bundesanstalt für
Materialforschung und -prü-
fung (BAM), Abt. 3 - Orga-
nische Stoffe, Unter den
Eichen 87, D-1000 Berlin 45,
FRG</p> <p>18-20 Deutsche Keramische Gesell-
schaft,
Annu. Congr.
Munich (Fed. Rep. Germany)
Contact: Dtsch. Keram. Ge-
sellsch., Postfach 1226, D-5340
Bad Honnef 1, FRG</p> <p>18-21 Schichtsysteme für neuartige
Bauelemente der Mikro-, Opto-,
Bioelektronik und Optik
Karl-Marx-Stadt (German
Dem. Rep.)
Contact: Technische Univ.
Karl-Marx-Stadt, Abt. Zentrale
Veranstaltungen, Postfach
964, DDR-9010 Karl-Marx-
Stadt, GDR</p> <p>18-22 Ceramitech '88,
4th Int. Fair/3rd Int. Symp.
Munich (Fed. Rep. Germany)
Contact: Münchener Messe-
und Ausstellungsgesellsch.,
Postfach 121009,
D-8000 München 12, FRG</p> |
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- October 1988**
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| <p>3-6 Farbensymposium,
10. Int. Symp.
Trier (Fed. Rep. Germany)
Contact: Dr. E. Hahn, BASF
AG, D-6700 Ludwigshafen,
FRG</p> <p>3-7 Laser Interaction with Matter,
19th Eur. Conf.
Madrid (Spain)
Contact: G. Velarde, Inst. de
Fusion Nuclear, ETS Ingenie-
ros Industriales, José Gutiérrez
Abascal n. 2, 28006 Madrid,
Spain</p> | | |
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19-21 **Raw Materials for New Technologies,**
5th Int. Symp. on Mineral Resources
Hannover (Fed. Rep. Germany)
Contact: Dr. Arnt Müller,
Bundesanstalt für Geowissenschaften und Rohstoffe, Postfach 510153, D-3000 Hannover 51, FRG

21-24 **Functional and Fine Polymers,**
XISFFP Xian Int. Symp.
Xian (People's Rep. China)
Contact: Prof. Hua Zhao,
Xian Modern Chemistry Research Inst.,
P.O. Box 18, Xian,
People's Rep. of China

23-26 **Combustion and Plasma Synthesis of High-Temperature Materials,**
Int. Symp.
San Francisco (USA)
Contact: Dr. J. B. Holt, Lawrence Livermore Natl. Lab.,
P.O. Box 808, L-369, Livermore, CA 94550, USA

23-26 **High Technology Materials Characterization**
San Francisco (USA)
Contact: W. S. Young, IBM Corporation, 5600 Cottle Rd.,
San Jose, CA 95193, USA

November 1988

8-10 **European MRS Fall Conference**
Strasbourg (France)
Contact: P. Siffert, Centre de Recherches Nucléaires, Lab. "PHASE", 23, Rue du Loess,
F-67037 Strasbourg (France)

9-11 **Perspectives on the New Superconductivity**
Boston (USA)
Contact: D. Berger, Nature Publ. Co., 65 Bleecker St.,
New York, NY 10012, USA

10-11 **Microstructural and Microanalytic Characterisation of Ceramic Materials**
Bad Nauheim (Fed. Rep. Germany)
Contact: Dtsch. Gesellsch. für Metallkunde eV.,
Adenauerallee 21,
D-6370 Oberursel, FRG

17-18 **Projection Plasma Spraying**
Paris (France)
Contact: IITT-International,
40 promenade Marx Dormoy,
F-93460 Gournay-Sur-Marne,
France

19-23 **Multiphase Macromolecular Systems,**
14th Biennial Polymer Symp.
San Diego (USA)
Contact: B. Culbertson, Ashland Chemical Co., P.O. Box 2219,
Columbus, OH 43216, USA

27-30 **Ceramic Materials and Components for Engines,**
3rd Int. Symp.
Las Vegas (USA)
Contact: American Ceramic Soc. 757 Brooksedge Plaza Dr.,
Westerville, OH 43081-6136, USA

28-3 **MRS Fall Meeting**
Boston (USA)
Contact: Materials Research Society, 9800 McKnight Rd.,
Suite 327, Pittsburgh, PA 15237 (USA)

December 1988

1-4 **Water Soluble Polymers,**
Fuzhou Int. Symp.
Fuzhou (People's Rep. China)
Contact: Hu Bing-huan, Inst. of Polym. Sci., Fujian Teachers Univ., People's Rep. of China

5-9 **Lasers and Applications,**
11th Int. Conf.
Lake Tahoe (USA)
Contact: Prof. H. J. Eichler, Techn. Univ. Berlin, Optisches Inst., Straße des 17. Juni 135,
D-1000 Berlin 12, FRG

7-8 **Materials Science and Eng. Towards the 21st Century,**
4th Israel Mater. Eng. Conf.
Beer-Sheva (Israel)
Contact: Peltours-Conventions, The Secretariat, 4th Israel Mater. Eng. Conf., P.O. Box 394, 61003 Tel-Aviv,
Israel

12-17 **Advances in Holography and Speckle Phenomenon and their Industrial Applications,**
Int. Workshop
Madras (India)
Contact: Prof. R. S. Sirohi, Indian Inst. of Technology, Physics Dept., Madras 600036, India

14-16 **SIMCER 7/ZIRCONIA 88**
7th Int. Symp. on Ceramics
Bologna (Italy)
Contact: Centro Ceramico, Via Martelli, 26
I-43138 Bologna, Italy

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