

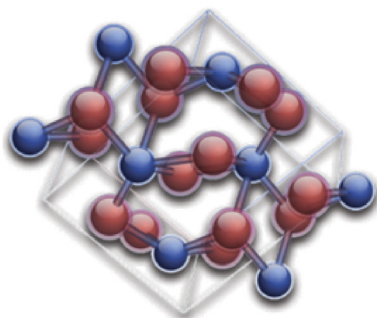
WORKING TOGETHER FOR YOU

With over 1,000,000 patterns available at your fingertips, ICDD's PDF® databases and MDI's JADE® software work together to make your life easier. Let the software work for the science and take your results further.



ABOUT US

For over 30 years, The ICDD and MDI have worked together in a complementary manner since MDI began in 1987. The XRD community has trusted MDI to provide unbiased results and help interpret both the everyday and the difficult XRD data. We are proud of our products and the daily effort we put forth towards advancing the science of XRD. Materials Data creates XRD software applications to collect, analyze, and simulate XRD data. These products are here to help solve issues in an enormous array of materials science projects, and may be found in labs around the world with data collected on virtually every brand of XRD equipment.



OUR PRODUCTS



PDF-4+

Phase Identification and Quantitation

The world's largest sources of inorganic diffraction data from crystals and powders in a single database featuring 460,900+ entries, including 353,300+ entries with atomic coordinates.



PDF-4+/Web

Data on the Go

Provides portability to the PDF-4+ database via the internet.



PDF-4/Axiom

Quality Plus Value

Phase identification and quantitation that requires diffraction equipment manufacturer or vendor software.



PDF-2

Phase Identification + Value

Quality and subfile filters combined with 71 different searches and 57 display fields enable you to target your results for more accurate identification.



PDF-4/Organics

Solve Difficult Problems, Get Better Results

Designed to solve difficult problems that are analyzed by powder diffraction analysis for a multitude of applications in the pharmaceutical, regulatory, specialty chemical, biomaterial, and forensic fields.



PDF-4/Minerals

Comprehensive Mineral Collection

Ninety-seven percent of all known mineral types, as defined by the International Mineralogical Association (IMA), are represented in the database, as well as many unclassified minerals.



JADE Pro

JADE Works The Way You Do

Automate your analysis with JADE. In so many cases, it's just one click and you're done. Often these results are better than those an experienced analyst could report and in a more timely manner.

For more information contact ICDD at marketing@icdd.com

2022 Denver X-ray Conference ♦ Program-at-a-Glance ♦ Monday – Friday ♦ 1 – 5 August

Monday Morning Workshops 9:00 am – 12:00 Noon				
	Meeting Rooms			
	White Oak A <i>(Grand Ballroom / Salon B when noted)</i>	White Oak B <i>(Grand Ballroom / Salon C when noted)</i>	Glen Echo	Forest Glen <i>(Linden Oak when noted)</i>
Special Topic	Machine Learning Techniques in X-ray Analysis (Mehta/Cherukara)			
XRD		XRD Sample Preparation (Fawcett)		
XRF			Sample Preparation of XRF (Zaitz)	Layered Structures (Wobruschek/Hradil)
Monday Afternoon Workshops 1:30 pm – 4:30 pm				
Special Topic		X-ray Absorption Spectroscopy (XAS) (Seshadri)		
XRD	2D Detectors (He/Blanton)			
XRF			Basic XRF (Zaitz)	Handheld XRF (Loubser)
Tuesday Morning Workshops 9:00 am – 12:00 Noon				
Special Topic	X-ray CT in Laboratory Settings (Cakmak)			
XRD		When to Use Synchrotron Radiation to Solve Your Problems (Lapidus)	Stress Analysis (Watkins/Murray)	
XRF				Micro XRF (Tsuji/Zaitz) (<i>Linden Oak</i>) Multimodal XRF Microscopy Fitting Tools (Antipova/Glowacki)
Tuesday Afternoon Workshops 1:30 pm – 4:30 pm				
Special Topic				
XRD	Rietveld Analysis for Phase Quantification (Kaduk/Misture)	Small-angle X-ray Scattering (SAXS) (Watkins)		
XRF			Quantitative Analysis of XRF (Kawakyu)	Trace Analysis (Wobruschek)
Tuesday Evening XRD Poster Session & Reception 5:00 pm – 7:00 pm (Watkins/Cakmak) Grand Ballroom				
Wednesday Morning Plenary Session – Geology In & Out of This World Grand Ballroom / Salon B & C, 8:30 am – 11:45 am (Blanton)				
Wednesday Afternoon Sessions				
Special Topic	New Developments in XRD & XRF Instrumentation –commercial presentations permitted (Fawcett/Drews) <i>(Grand Ballroom / Salon B)</i>		X-ray Absorption Spectroscopy (XAS) (Seshadri)	
XRD		General XRD (Murray) <i>(Grand Ballroom / Salon C)</i>		
XRF				
Wednesday Evening XRF Poster Session & Reception 5:00 pm – 7:00 pm (Schmeling) Grand Ballroom				
Thursday Morning Sessions				
Special Topic		Cultural Heritage (Schmeling)		
XRD	Industrial Applications of XRD (Fawcett)			
XRF			Quantitative Analysis of XRF (Heirwegh/Ganly)	
Thursday Afternoon Sessions				
Special Topic	Machine Learning Techniques in X-ray Analysis (Mehta/Cherukara)			
XRD		Non-ambient Analysis (Misture)	Stress Analysis (Watkins)	
XRF				Trace Analysis (Eichert) / Micro XRF using Imaging (Zaitz/Wobruschek)
Friday Morning Sessions				
Special Topic				
XRD	Small-angle X-ray Scattering (SAXS) (Bras/Yang)	Applications of Rietveld Analysis (Misture/Kaduk)		
XRF			Industrial & General XRF (Fittschen/Worley)	