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Paiva, Rui Pedro

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Panagiotakis, Costas

Panazio, Cristiano

Papadias, Constantinos

Pacheco, Fernando

Paik, David S.

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Pathegama, M. P.

Paul, Steffen

Pavel, Michael

Pazarci, Melih

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Park, Heechan

Pastor, Dominique

Pateux, Stéphane

Pattisapu, Prakash

Paulus, Jouni

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Pérez–Iglesias, Héctor J.

Perotti, Alessio

Peset Llopis, Rafael

Pesquet–Popescu, Béatrice

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Pellerin, Denis

Pérez, Jesús

Perez–Gonzalez, Fernando

Perisa, Ivan

Perrine, Clency

Pesquet, Jean–Christophe

Peters, Harm

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Petrovsky, Alexander

Pfaff, Markus

Pham, Dinh–Tuan

Philips, Wilfried

Phoong, See–May

Piccardi, Massimo

Piccarreta, Luca

Picovici, Dorel

Piella, Gemma

Pierre, Vieyres

Pikrakis, Aggelos

Pinhasov, Eran David

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Pisa, Daniele

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Polat, Ediz

Poor, H. Vincent

Porat, Moshe

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Principe, Jose C.

Puech, William

Poggi, Giovanni

Poluri, Radha

Popovici, Vlad

Poshtan, Javad

Pramod, N. C.

Prodanov, Plamen

Pun, Thierry

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**\* *Organization :***
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**\* *Paper(s) :***

HIGH−RESOLUTION PARAMETRIC MODELING OF STRING INSTRUMENT SOUNDS  (Abstract)

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**\* Paper(s) :**

A SINGLE−MICROPHONE APPROACH FOR SPEECH SIGNAL DEREVERBERATION  (Abstract)

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**\* *Organization :***
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**\* *Paper(s) :***

ANALYSIS OF TIMING OFFSET ESTIMATION SCHEMES FOR UWB SIGNALS  (Abstract)

13th European
Signal Processing
Conference
September 4-8, 2005
Antalya
Turkey

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HEAT DIFFUSION BASED DETECTION OF COLONIC POLYPS IN CT COLONOGRAPHY  (Abstract)

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**\* *Paper(s) :***

SEGMENTATION OF PITCH TRACKS FOR MELODY DETECTION IN POLYPHONIC AUDIO  (Abstract)

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PHYSICAL MODELING OF FLAGEOLET TONES IN STRING INSTRUMENTS  (Abstract)

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TREN− TURKISH SPEECH RECOGNITION PLATFORM  (Abstract)

13th European
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**\* *Organization :***
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**\* *Paper(s) :***

POWER RATIO DEFINITIONS AND ANALYSIS IN SINGLE CARRIER MODULATIONS  (Abstract)

CONSTANT NORM ALGORITHMS FOR MIMO COMMUNICATION SYSTEMS  (Abstract)

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### * *Organization :*
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### * *Paper(s) :*

COMBINED SPATIAL/BEAMFORMING AND TIME/FREQUENCY PROCESSING FOR BLIND SOURCE SEPARATION  (Abstract)

DATA–DEPENDENT PARTIAL UPDATE ADAPTIVE ALGORITHMS FOR LINEAR AND NONLINEAR SYSTEMS  (Abstract)

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**\* *Paper(s) :***

FAST ENCODING METHOD FOR IMAGE VECTOR QUANTIZATION BY USING PARTIAL SUM
CONCEPT IN WALSH DOMAIN  (Abstract)

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SPATIOTEMPORAL INFORMATION FUSION FOR HUMAN ACTION RECOGNITION IN VIDEOS
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FREQUENCY SELECTIVE FADING CHANNEL ESTIMATION IN OFDM SYSTEMS USING KL EXPANSION  (Abstract)

A SEQUENTIAL MONTE CARLO METHOD FOR BLIND PHASE NOISE ESTIMATION AND DATA DETECTION  (Abstract)

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PILOT−SYMBOL−AIDED ITERATIVE CHANNEL ESTIMATION FOR OFDM−BASED SYSTEMS
(Abstract)

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**\* *Paper(s) :***

DIGITAL WATERMARK TECHNIQUE FOR PROJECTIVE–DISTORTED IMAGES USING COLLINEAR POINTS  (Abstract)

## Constantinos Papadias

**\* *Organization :***

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**\* *Paper(s) :***

ALTERNATING TIME−OFFSET DOWNLINK SDMA FOR LEGACY IEEE 802.11A/G MOBILE STATIONS (Abstract)

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TEXT−TO−SIGN LANGUAGE SYNTHESIS TOOL  (Abstract)

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QUATERNIONIC APPROACH TO 8–CHANNEL GENERAL PARAUNITARY FILTER BANK  (Abstract)

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LOSSLESS CONTOUR REPRESENTATION USING EFFICIENT MULTIPLE GRID CHAIN CODING (Abstract)

A FREQUENCY DOMAIN APPROACH TO INTRA MODE SELECTION IN H.264/AVC  (Abstract)

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SYNTHETIC APERTURE RADAR IMAGING FROM TRUNCATED DATA  (Abstract)

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📄 BRANDT'S GLR METHOD AND REFINED HMM SEGMENTATION FOR TTS SYNTHESIS APPLICATION
(Abstract)

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CHARACTERIZATION, ESTIMATION AND DETECTION OF NETWORK APPLICATION TRAFFIC (Abstract)

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## Stéphane Pateux

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VIDEO CODING USING NON–MANIFOLD MESH  (Abstract)

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USE OF ARTIFICIAL NEURAL NETWORKS TO STUDY CELL INTERACTIONS IN THE PRESENCE OF EM RADIATION  (Abstract)

## Prakash Pattisapu

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BIT−FLIPPING POST−PROCESSING FOR FORCED CONVERGENCE DECODING OF LDPC CODES (Abstract)

**Steffen Paul**

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AN EXEMPLARY COMPARISON OF PER ANTENNA RATE CONTROL BASED MIMO–HSDPA
RECEIVERS  (Abstract)

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**\* Paper(s) :**

DRUM TRANSCRIPTION WITH NON–NEGATIVE SPECTROGRAM FACTORISATION  (Abstract)

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Signal Processing
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September 4-8, 2005
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ESTIMATING COGNITIVE STATE USING EEG SIGNALS  (Abstract)

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MSE APPROXIMATION FOR MODEL−BASED COMPRESSION OF MULTIRESOLUTION SEMIREGULAR MESHES  (Abstract)

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A CASCADE DWT−DCT BASED DIGITAL WATERMARKING SCHEME  (Abstract)

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DETECTION OF EMPTY HAZELNUTS FROM FULLY DEVELOPED NUTS BY IMPACT ACOUSTICS
(Abstract)

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HOS–BASED MULTI–COMPONENT FREQUENCY ESTIMATION  (Abstract)

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MINIMUM−PHASE FIR FILTER DESIGN USING REAL CEPSTRUM  (Abstract)

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NOVEL SYSTOLIC SCHEMES FOR SERIAL−PARALLEL MULTIPLICATION  (Abstract)

100% OPERATIONAL EFFICIENT BIT−SERIAL PROGRAMMABLE FIR DIGITAL FILTERS  (Abstract)

## Denis Pellerin

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📄 VIDEO CLASSIFICATION BASED ON LOW−LEVEL FEATURE FUSION MODEL  (Abstract)

📄 STATIC AND DYNAMIC FEATURE−BASED VISUAL ATTENTION MODEL: COMPARAISON WITH HUMAN JUDGMENT  (Abstract)

📄 SPATIOTEMPORAL INFORMATION FUSION FOR HUMAN ACTION RECOGNITION IN VIDEOS (Abstract)

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MULTI–CHANNEL ADAPTIVE BIT ALLOCATION AND ERROR CONTROL FOR VIDEO TRANSMISSION OVER WIRELESS NETWORKS  (Abstract)

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CANONICAL CORRELATION ANALYSIS (CCA) ALGORITHMS FOR MULTIPLE DATA SETS: APPLICATION TO BLIND SIMO EQUALIZATION  (Abstract)

## Marta Perez Portugal

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IMPROVED OFDM RECEIVER WITH ITERATIVE CHANNEL ESTIMATION AND TURBO DECODING (Abstract)

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DATA–HIDING WITH PARTIALLY AVAILABLE SIDE INFORMATION  (Abstract)

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PREDICTING FACES IN VIDEO SEQUENCES USING EIGENSPACE UPDATE ALGORITHMS  (Abstract)

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FREQUENCY OFFSET ESTIMATION BASED ON PHASE OFFSETS BETWEEN SAMPLE CORRELATIONS  (Abstract)

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Antalya
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JAVANETPHONE: A JAVA CLIENT FOR IP TELEPHONY APPLICATIONS IN AN MGCP FRAMEWORK
(Abstract)

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A BLIND SPATIO TEMPORAL EQUALIZATION OPERATING ON A POLARIZATION  (Abstract)

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SEGMENT−BASED MOTION ESTIMATION USING A BLOCK−BASED ENGINE  (Abstract)

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A NON−SEPARABLE 2D COMPLEX MODULATED LAPPED TRANSFORM AND ITS APPLICATIONS TO SEISMIC DATA FILTERING  (Abstract)

PERFECT RECONSTRUCTION IN REDUCED REDUNDANCY WAVELET−BASED MULTIPLE DESCRIPTION CODING OF IMAGES  (Abstract)

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ADAPTIVE WAVELETS FOR IMAGE REPRESENTATION AND CLASSIFICATION  (Abstract)

WAVELET–BASED DISTRIBUTED SOURCE CODING OF VIDEO  (Abstract)

PERFECT RECONSTRUCTION IN REDUCED REDUNDANCY WAVELET–BASED MULTIPLE DESCRIPTION CODING OF IMAGES  (Abstract)

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TENSION MODULATED NONLINEAR 2D MODELS FOR DIGITAL SOUND SYNTHESIS WITH THE
FUNCTIONAL TRANSFORMATION METHOD  (Abstract)

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INTERPOLATION−BASED MULTI−MODE PRECODING FOR MIMO−OFDM SYSTEMS  (Abstract)

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 PERFECT RECONSTRUCTION IN REDUCED REDUNDANCY WAVELET–BASED MULTIPLE DESCRIPTION CODING OF IMAGES  (Abstract)

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AN OVERCOMPLETE WDFT SINUSOIDAL BASIS FOR PERCEPTUALLY MOTIVATED SPEECH ENHANCEMENT  (Abstract)

QUATERNIONIC APPROACH TO 8−CHANNEL GENERAL PARAUNITARY FILTER BANK  (Abstract)

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A LECTURE COURSE SERIES: FROM CONCEPT ENGINEERING TO IMPLEMENTATION OF SIGNAL PROCESSING ALGORITHMS WITH FPGAS  (Abstract)

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MUTUAL INFORMATION APPROACH TO BLIND SEPARATION−DECONVOLUTION  (Abstract)

BLIND SEPARATION OF CONVOLUTIVE MIXTURE OF SPEECH SIGNALS  (Abstract)

MUTUAL INFORMATION AND QUADRATIC DEPENDENCE FOR POST NONLINEAR BLIND SOURCE SEPARATION  (Abstract)

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AN EVALUATION OF BRAIN TISSUE CLASSIFICATION IN NON–COMPENSATED ULTRASOUND IMAGES  (Abstract)

MAJORITY ORDERING FOR COLOUR MATHEMATICAL MORPHOLOGY  (Abstract)

## See−May Phoong

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DESIGN OF CHANNEL−RESILIENT DFT BANK TRANSCEIVERS  (Abstract)

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BOAT–GENERATED ACOUSTIC TARGET SIGNAL DETECTION BY USE OF AN ADAPTIVE MEDIAN CFAR AND MULTI–FRAME INTEGRATION ALGORITHM  (Abstract)

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AN EFFICIENT VIDEO RENDERING SYSTEM FOR REAL−TIME ADAPTIVE PLAYOUT BASED ON PHYSICAL MOTION FIELD ESTIMATION  (Abstract)

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ENHANCED OUTPUT–BASED PERCEPTUAL MEASURE FOR PREDICTING SUBJECTIVE QUALITY OF SPEECH  (Abstract)

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📄 ADAPTIVE WAVELETS FOR IMAGE REPRESENTATION AND CLASSIFICATION  (Abstract)

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EVALUATION OF THE QUALITY OF ULTRASOUND IMAGE COMPRESSION BY FUSION OF CRITERIA WITH A SUPPORT VECTOR MACHINE  (Abstract)

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MELODY SPOTTING IN RAW AUDIO RECORDINGS USING VARIABLE DURATION HIDDEN MARKOV MODELS  (Abstract)

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OPTIMAL USAGE OF COLOR FOR DISPARITY ESTIMATION IN STEREO VISION  (Abstract)

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EVALUATION OF CLASSIFICATION TECHNIQUES FOR AUDIO INDEXING  (Abstract)

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AUTOMATED CLASSIFICATION OF FLUORESCENT IN SITU CASES  (Abstract)

AN ANTHROPOCENTRIC DESCRIPTION SCHEME FOR MOVIES CONTENT CLASSIFICATION AND INDEXING  (Abstract)

OBJECT TRACKING BASED ON MULTISCALE MORPHOLOGICAL TEMPLATES  (Abstract)

FEATURE–BASED TRACKING USING 3D PHYSICS–BASED DEFORMABLE SURFACES  (Abstract)

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WATERMARKING POLYGONAL LINES USING AN OPTIMAL DETECTOR ON THE FOURIER
DESCRIPTORS DOMAIN  (Abstract)

LINEAR DISCRIMINANT FEATURE SELECTION TECHNIQUES IN ELASTIC GRAPH MATCHING
(Abstract)

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📄 MC–CDMA VERSUS OFDMA IN CELLULAR ENVIRONMENTS  (Abstract)

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MULTITEMPORAL IMAGE CLASSIFICATION WITH AUTOMATIC BUILDING OF TREE−STRUCTURED MRF MODELS  (Abstract)

AN UNSUPERVISED SEGMENTATION−BASED CODER FOR MULTISPECTRAL IMAGES  (Abstract)

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NEW ORTHOGONAL BINARY USER CODES FOR MULTIUSER SPREAD SPECTRUM
COMMUNICATIONS  (Abstract)

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A TWO−STEP TIME OF ARRIVAL ESTIMATION ALGORITHM FOR IMPULSE RADIO ULTRA WIDEBAND SYSTEMS  (Abstract)

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COMBINING SVMS FOR FACE CLASS MODELING  (Abstract)

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ON THE REPRESENTATION ERROR OF DIGITIZED SIGNALS  (Abstract)

A NEW METHOD FOR MULTI–RESOLUTION TEXTURE SEGMENTATION USING GAUSSIAN MARKOV RANDOM FIELDS  (Abstract)

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A NEW STABLE ADAPTIVE IIR FILTER FOR ACTIVE NOISE CONTROL SYSTEMS  (Abstract)

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ON THE ESTIMATION OF NON–STATIONARY FUNCTIONAL SERIES TARMA MODELS  (Abstract)

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IMPROVED BEARING ESTIMATION IN OCEAN BY NONLINEAR WAVELET DENOISING UNDER NON−GAUSSIAN NOISE CONDITIONS  (Abstract)

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ROBUST MATCHED FILTERING IN THE FEATURE SPACE  (Abstract)

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ERROR HANDLING IN MULTIMODAL BIOMETRIC SYSTEMS USING RELIABILITY MEASURES
(Abstract)

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CRYPTO–COMPRESSION OF MEDICAL IMAGES BY SELECTIVE ENCRYPTION OF DCT  (Abstract)

SAFE ROIS OF COLOR IMAGES BY INDUCTIVE DATA HIDING  (Abstract)

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THE GAUSSIAN TRANSFORM  (Abstract)

DENOISING WITH INFINITE MIXTURE OF GAUSSIANS  (Abstract)

ACHIEVABLE RATE ANALYSIS OF GEOMETRICALLY ROBUST DATA−HIDING CODES IN ASYMPTOTIC SET−UPS  (Abstract)

DATA−HIDING WITH PARTIALLY AVAILABLE SIDE INFORMATION  (Abstract)