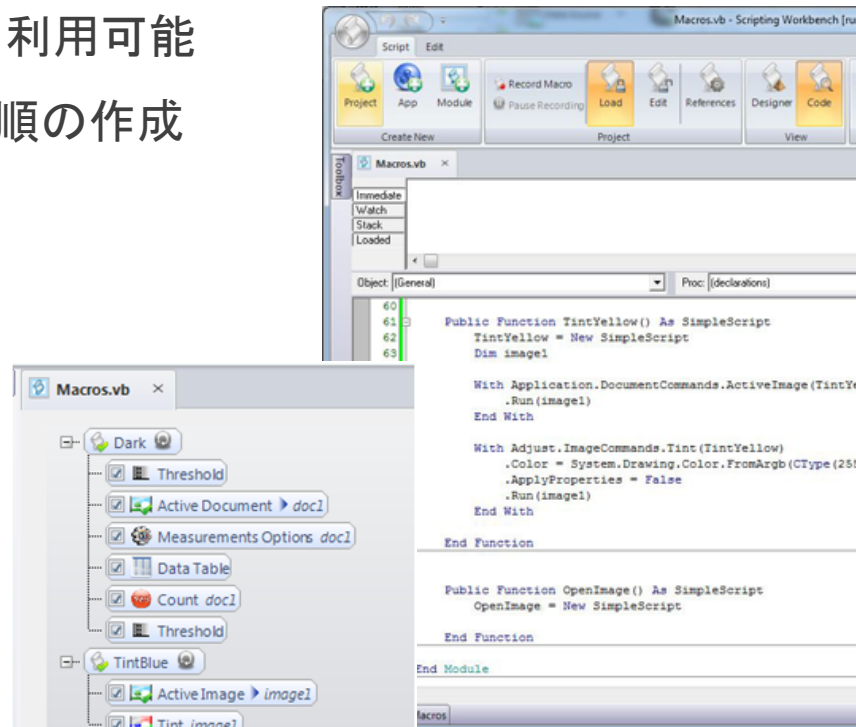


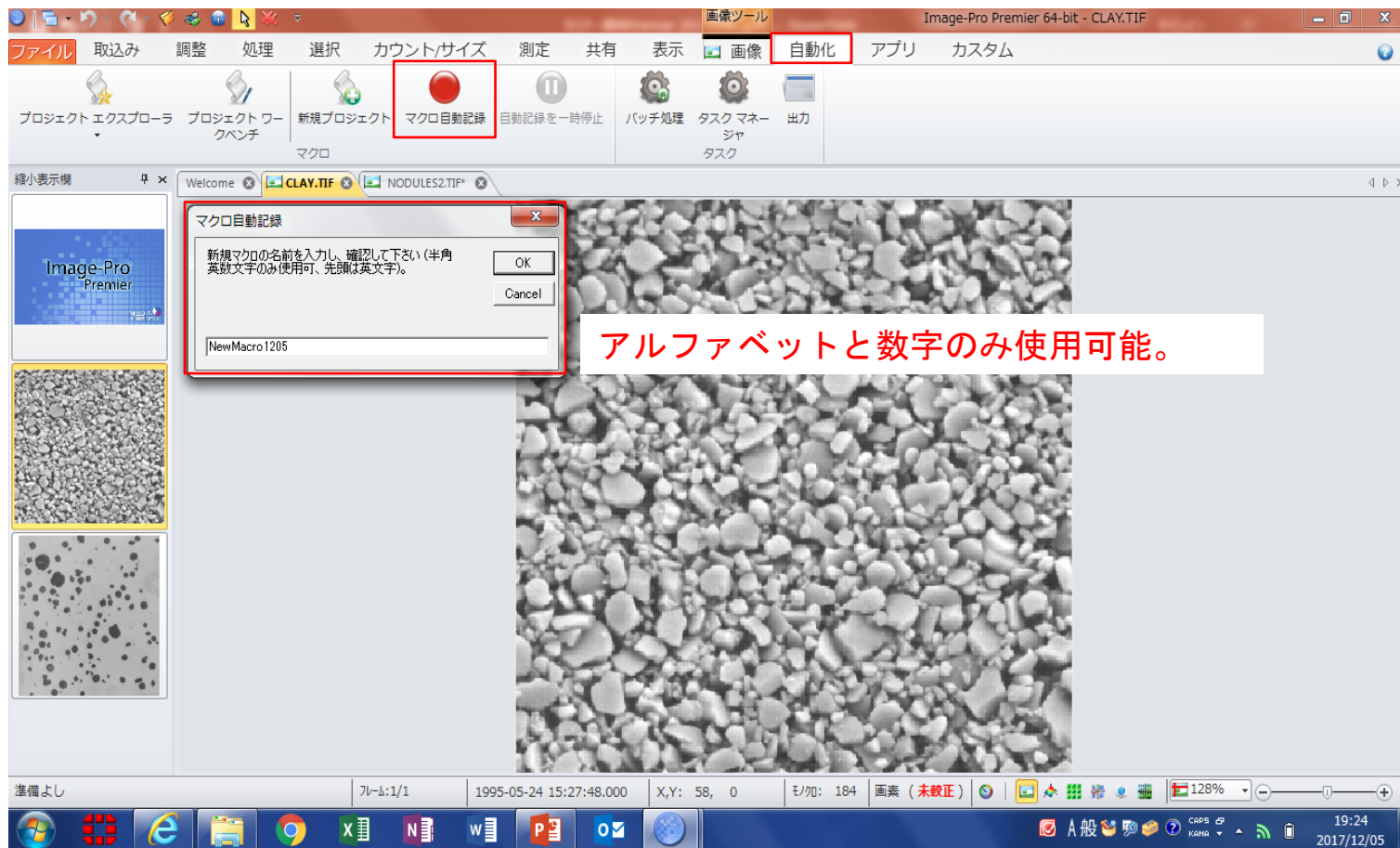
Image-Pro マクロ自動登録手順

マクロによる自動化

- 多くの作業にマクロとアプリを利用可能
 - ユーザー定義による解析手順の作成
 - 反復作業の迅速化
 - 数千枚の画像をバッチ処理
 - フォルダー自動監視機能



① 自動化メニューのマクロ自動登録を選択する。



② マクロ化する操作を実行する。

The screenshot displays the Image-Pro software interface with a macro sequence titled "metal.seq* (1/21)". The main window shows a grayscale image of a complex, branching object with several points labeled P1R2, P1R4, P1R5, P1R6, and P1R7. A red text box overlaid on the image reads: "例：フィルター適用→2値化カウント→データ出力等" (Example: Filter application → 2-value count → Data output, etc.).

The software interface includes a top menu bar with options like "ファイル" (File), "取込み" (Import), "調整" (Adjust), "処理" (Process), "選択" (Select), "カウント/サイズ" (Count/Size), "測定" (Measure), "3D測定" (3D Measure), "3Dアニメーション" (3D Animation), "レビュー" (Review), "表示" (Display), "画像ツール" (Image Tools), "自動化" (Automation), "アプリ" (App), "カスタム" (Custom), and "ヘルプ" (Help). Below the menu bar is a toolbar with various icons for image processing and analysis.

On the right side, there is a "表示オプション" (Display Options) panel with settings for "直線曲線" (Straight Line Curve) and "ラベル" (Label). The "直線曲線" section includes options for "形状" (Shape), "拡大縮小" (Zoom), "幅" (Width), "形式" (Form), "角の形式" (Corner Form), and "曲線を平滑化" (Smooth Curve). The "ラベル" section includes options for "画像に合わせて伸縮" (Stretch to fit image), "不透明度" (Opacity), "角度" (Angle), "レイヤ" (Layer), "先頭フレーム" (First Frame), and "最終フレーム" (Last Frame).

The bottom status bar shows the current frame as "フレーム1/21", the date and time as "2004-09-02 15:02:35.468", and the coordinates as "X,Y: 144, 25". The zoom level is set to "モ/マ: 19" and the image is in "画像 (未校正)" (Image (Uncorrected)) mode. The bottom taskbar shows the Windows Start button and various application icons, including the IP (Image-Pro) icon.

③ 自動化メニューのバッチ処理からマクロを使用する。

The screenshot shows the Image-Pro Premier 64-bit interface. The '自動化' (Automation) menu is highlighted in the top bar. The 'バッチ処理' (Batch Processing) option is highlighted in the '自動化' dropdown. The 'バッチ処理' dialog box is open on the right, showing the '1. マクロを選択' (Select Macro) section with 'NewMacro1205' selected. The '2. 画像を選択' (Select Image) section is empty. The '3. バッチ処理を開始' (Start Batch Processing) section has the '開始' (Start) button highlighted. The main window displays a blue and white speckled image with red text overlays indicating the steps: ① 反復処理：作成したマクロを選択。 (Repeat processing: Select the created macro.), ② 画像：フォルダごと指定も可能。 (Image: Folder specification is also possible.), and ③ 開始：マクロ実行。 (Start: Macro execution.). The bottom status bar shows the file path '1995-05-24 15:27:48.000' and the coordinates 'X,Y: 423, 150'.

① 反復処理：作成したマクロを選択。
② 画像：フォルダごと指定も可能。
③ 開始：マクロ実行。

図形名	直径, 最小(画素)	直径, 最大(画素)	直径, 平均(画素)	周回長, 輪郭 ...	面積(画素^2)
● P1R380	11.180	18.974	14.976	54.166	206.000
● P1R381	10.296	18.111	13.122	48.774	164.000
● P1R382	10.440	19.647	15.517	61.308	222.000
● P1R383	6.083	11.662	8.177	29.544	70.000
● P1R384	6.708	22.091	11.942	49.983	141.000